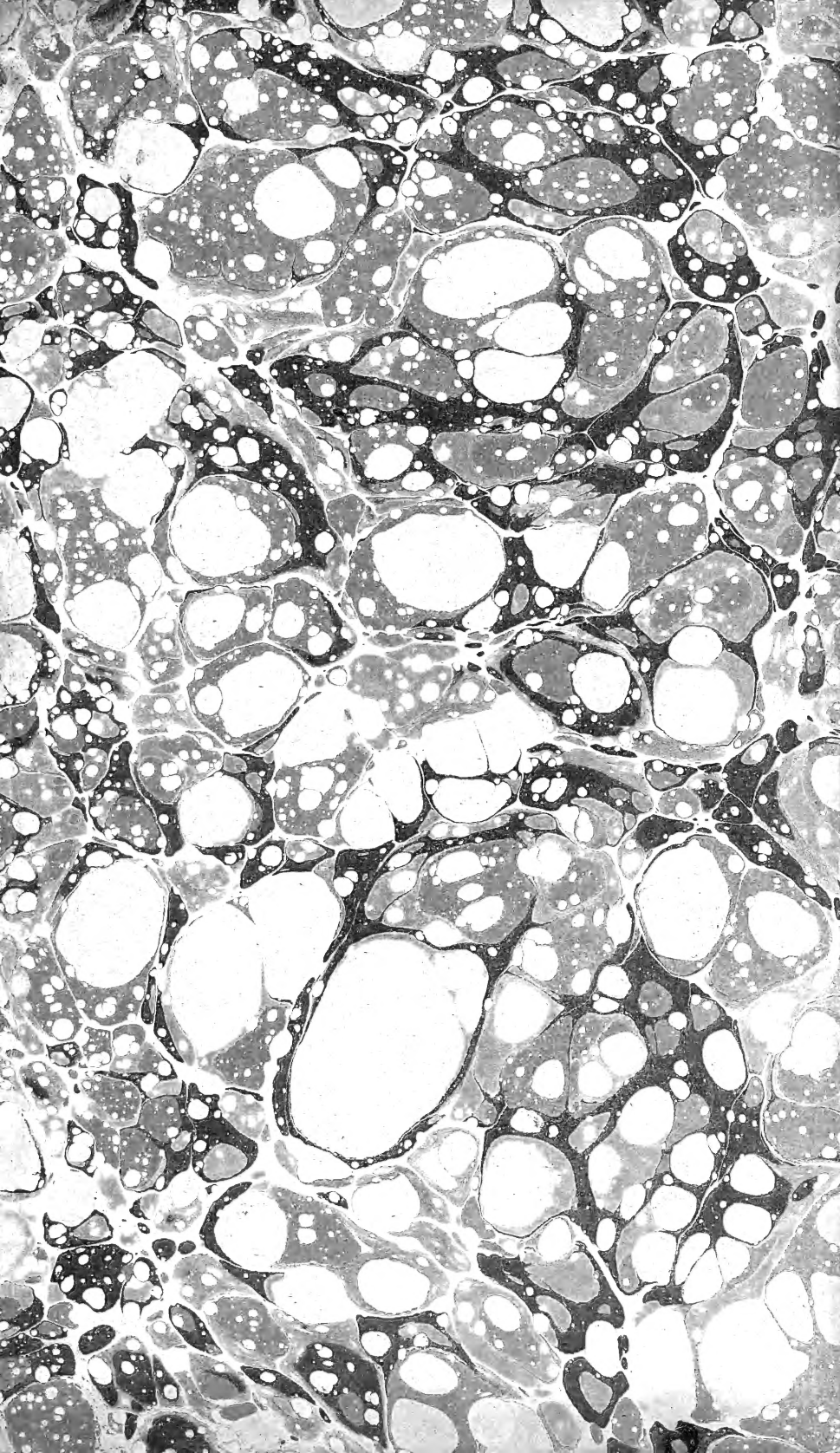


Mrs. Hewitt

9 Lexington Avenue

Presented in memory of
Mrs. Abigail S. Hewitt
by her daughters -
Mrs. James W. Green
Miss Sarah Cooper Hewitt
Miss Eleanor G. Hewitt
1923



ARBORETUM ET FRUTICETUM BRITANNICUM;

OR,

THE TREES AND SHRUBS OF BRITAIN,

Native and Foreign, Hardy and Half-Hardy,

PICTORIALLY AND BOTANICALLY DELINEATED,
AND SCIENTIFICALLY AND POPULARLY DESCRIBED;

WITH

THEIR PROPAGATION, CULTURE, MANAGEMENT,
AND USES IN THE ARTS, IN USEFUL AND ORNAMENTAL PLANTATIONS, AND IN
LANDSCAPE-GARDENING;

PRECEDED BY A

HISTORICAL AND GEOGRAPHICAL OUTLINE
OF THE TREES AND SHRUBS OF TEMPERATE CLIMATES
THROUGHOUT THE WORLD.

By J. C. LOUDON, F.L. & H.S., &c.

AUTHOR OF THE ENCYCLOPÆDIAS OF GARDENING AND OF AGRICULTURE,
AND CONDUCTOR OF THE GARDENER'S MAGAZINE.

IN EIGHT VOLUMES:

FOUR OF LETTERPRESS, ILLUSTRATED BY ABOVE 2500 ENGRAVINGS;
AND FOUR OF OCTAVO AND QUARTO PLATES.

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VOL. V.

THE PLATES FROM *MAGNOLIACEÆ* TO *LEGUMINOSÆ* INCLUSIVE.

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1838.



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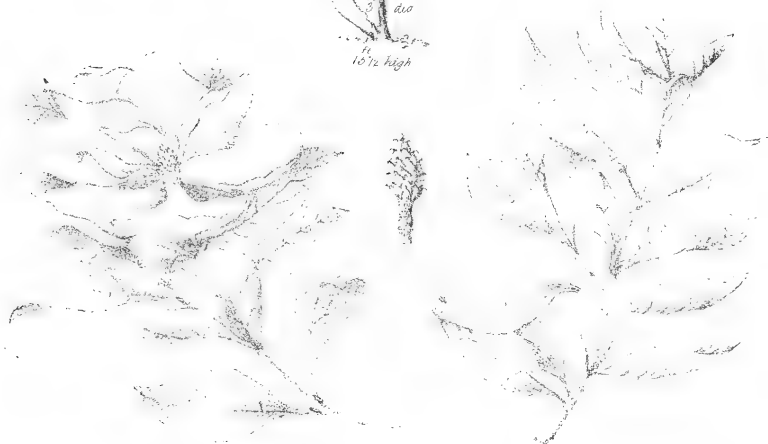
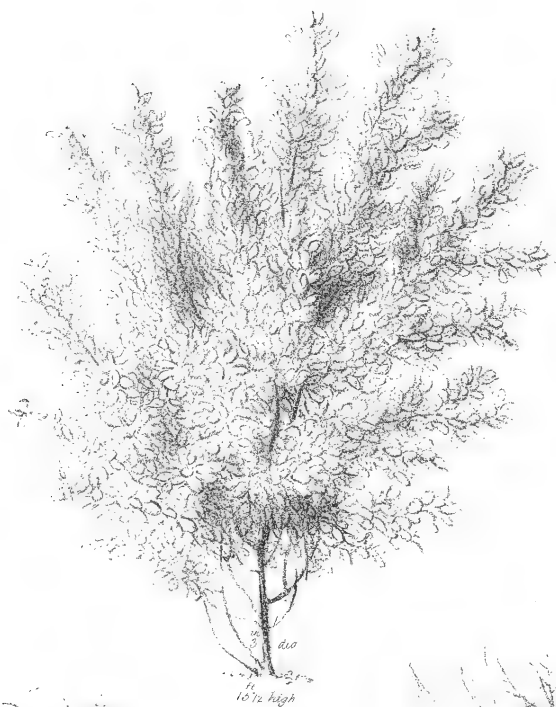
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| <i>M. cordata</i>                                        | - I. p. 275. (11.)   | <i>T. (a.) laxiflora</i>                                          | - I. p. 374. (23.)        |
| <i>M. grandiflora</i>                                    | - I. p. 261. (1.)    | <i>T. (e.) platyphylla</i>                                        | - I. p. 365. (19.)        |
| <i>M. g. exoniensis</i>                                  | - I. p. 261. (3.)    | <i>T. (e.) p. minor</i>                                           | - I. p. 365. (20.)        |
| <i>M. macrophylla</i>                                    | - I. p. 271. (7.)    | <i>T. (a.) pubescens</i>                                          | - I. p. 374. (22. or 27.) |
| <i>M. (a.) pyramidata</i>                                | - I. p. 277. (9.)    | Three-thorned Acacia. See <i>Gleditschia</i> .                    |                           |
| <i>M. tripetala</i>                                      | - I. p. 269. (6.)    | Toothache Tree. See <i>Xanthoxylum</i> .                          |                           |
| Maple. See <i>Acer</i> .                                 |                      | Tulip Tree. See <i>Liriodendron</i> .                             |                           |
| <i>Negundo fraxinifolium</i> (the Box Elder)             | I. p. 460. (41.)     | <i>Virgilia lutea</i>                                             | - II. p. 565 (66.)        |
| <i>N. f. crispum</i>                                     | - I. p. 460. (42.)   | <i>Xanthoxylum fraxineum</i> (the Toothache Tree)                 | I. p. 488. (54.)          |

*Magnolia grandiflora.*  
The large-flowered evergreen Magnolia.

1







*Magnolia grandiflora ferruginea.*

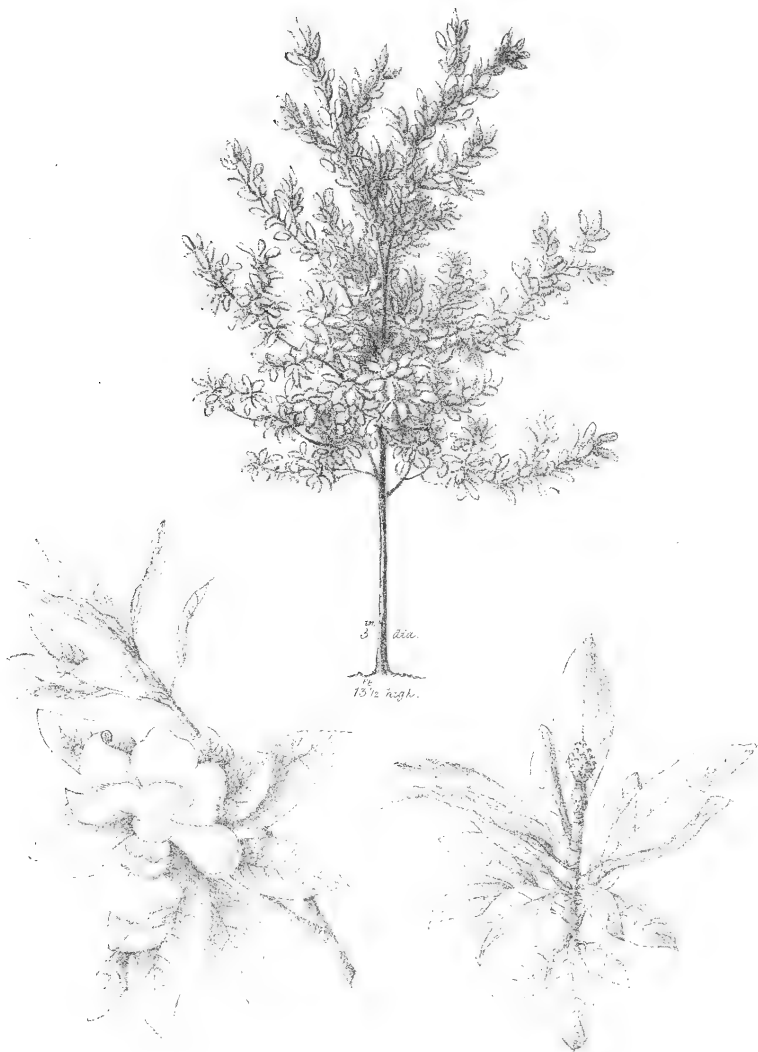
The large-flowered evergreen rusty-leaved Magnolia.





*Magnolia grandiflora exoniensis.*  
The large-flowered evergreen Exeter Magnolia.

5





*Magnolia glauca.*  
The glaucous-leaved deciduous Magnolia.

4







*Magnolia glauca Thompsoniana.*  
Thompson's glaucous-leaved deciduous Magnolia.





*Magnolia tripétala.*

The three-petaled-flowered deciduous Magnolia.





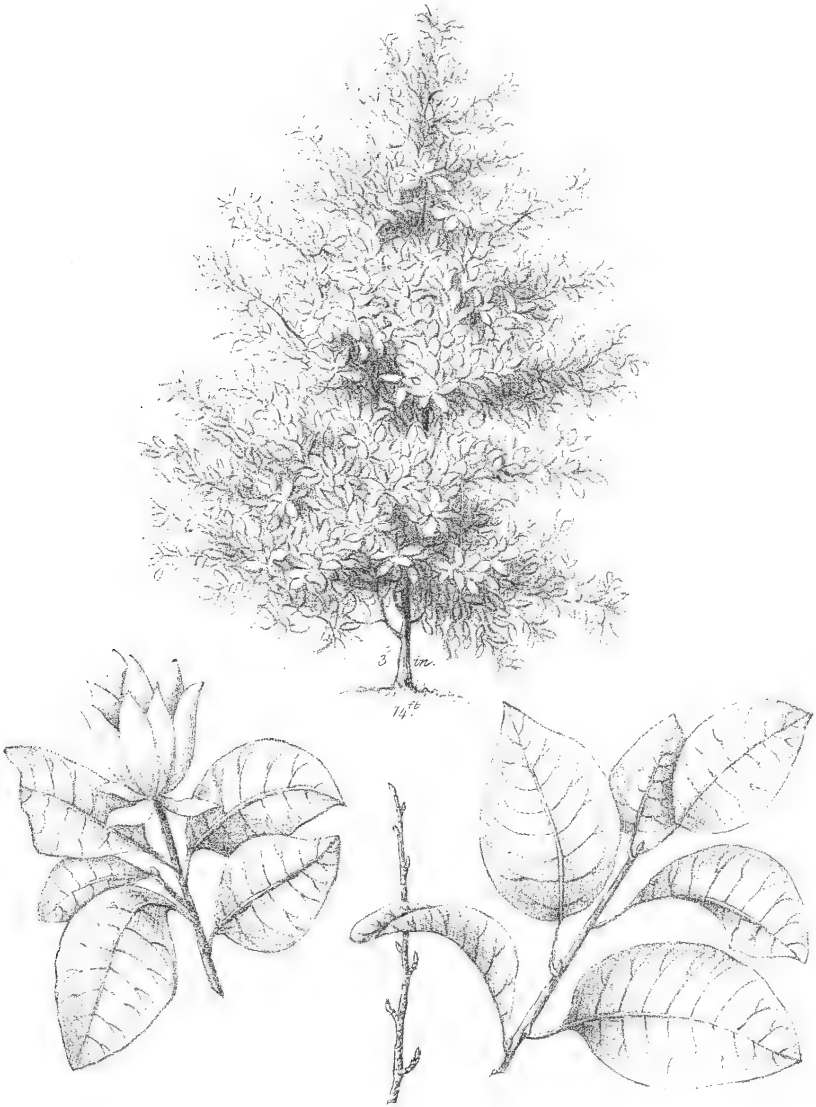


*Magnolia macrophylla*.  
The large-leaved *deciduous* Magnolia.



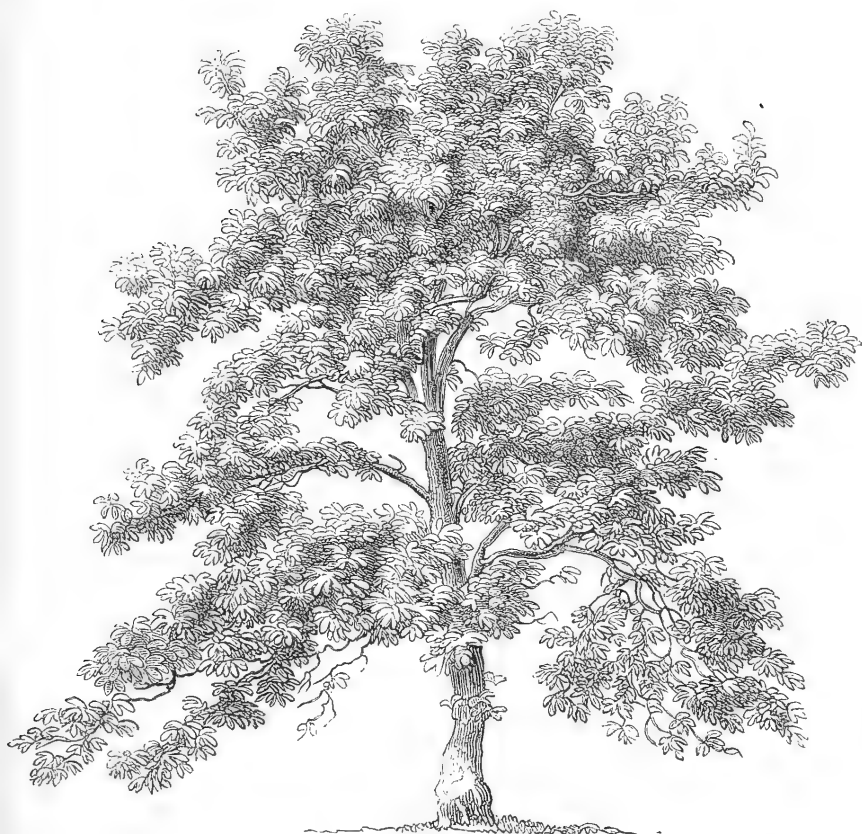


*Magnolia acuminata.*  
The pointed-leaved deciduous Magnolia.





*Magnolia acuminata.*  
The pointed-leaved Magnolia.

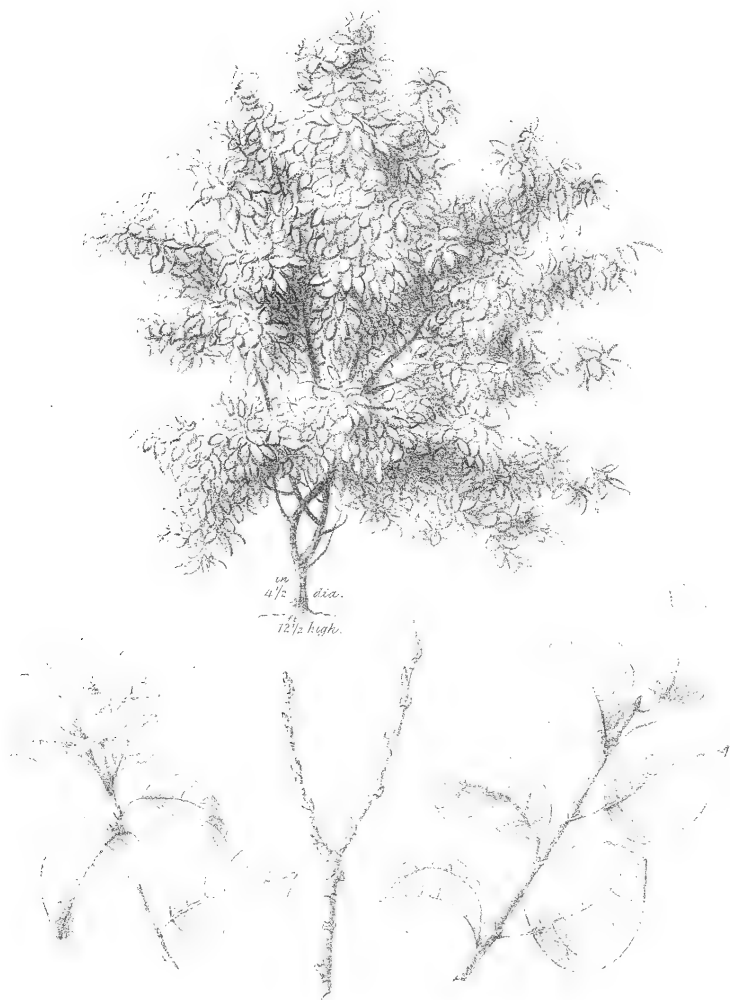


Full-grown tree at Syon; 49 ft. high; diam. of the trunk, 3 ft.; and of the head, 48 ft.  
[Scale 1 in. to 12 ft.]





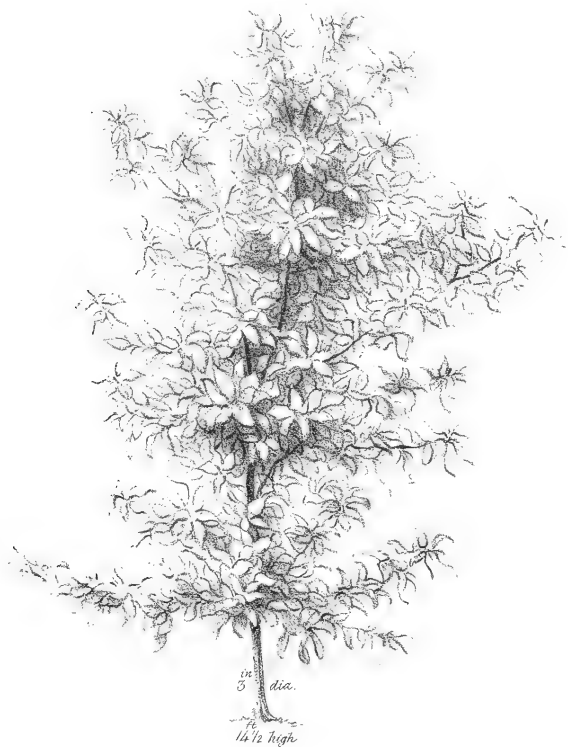
*Magnolia cordata.*  
The heart-shaped-leaved deciduous Magnolia.







*Magnolia auriculata.*  
The ear-leaved *deciduous* Magnolia.



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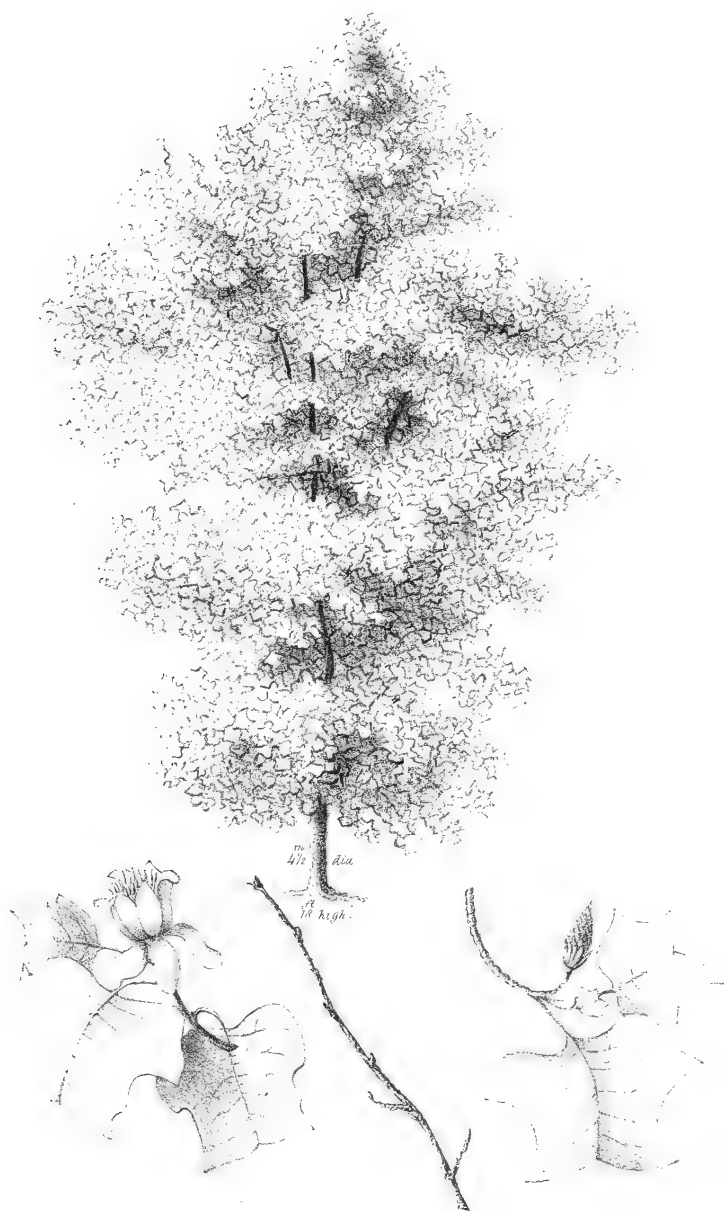
*Magnòlia conspicua*.  
The conspicuous-flowered deciduous Magnolia.





II.A.  
*Liriodendron Tulipifera.*  
The Tulip tree.

13

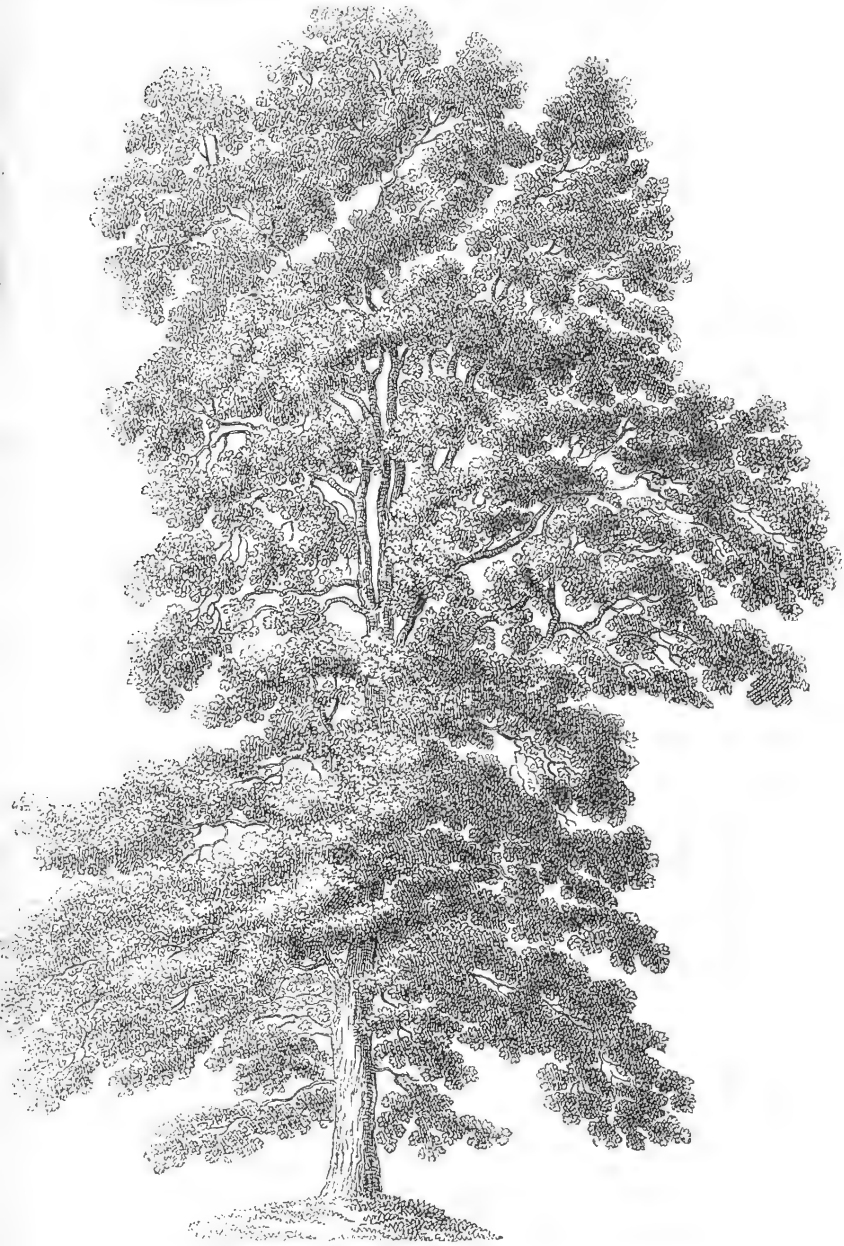






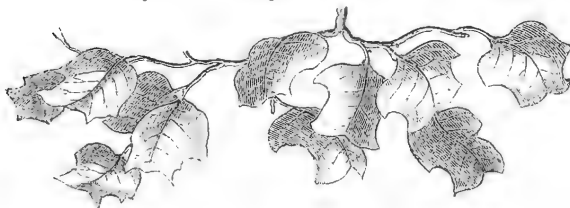
*Liriodendron Tulipifera.*

The tulip-bearing *Liriodendron*, or the *Tulip tree*.



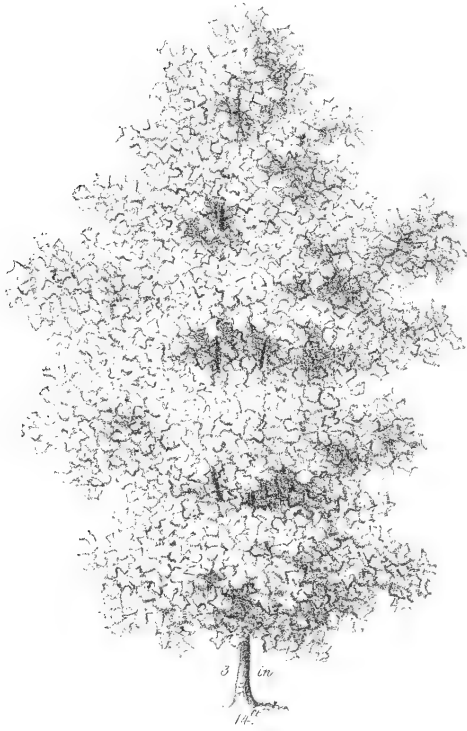
Full-grown tree at Syon, 76 ft. high.

[Scale 1 in. to 12 ft.]





*Liriodendron Tulipifera obtusiloba.*  
The obtuse-lobed-leaved Tulip tree.

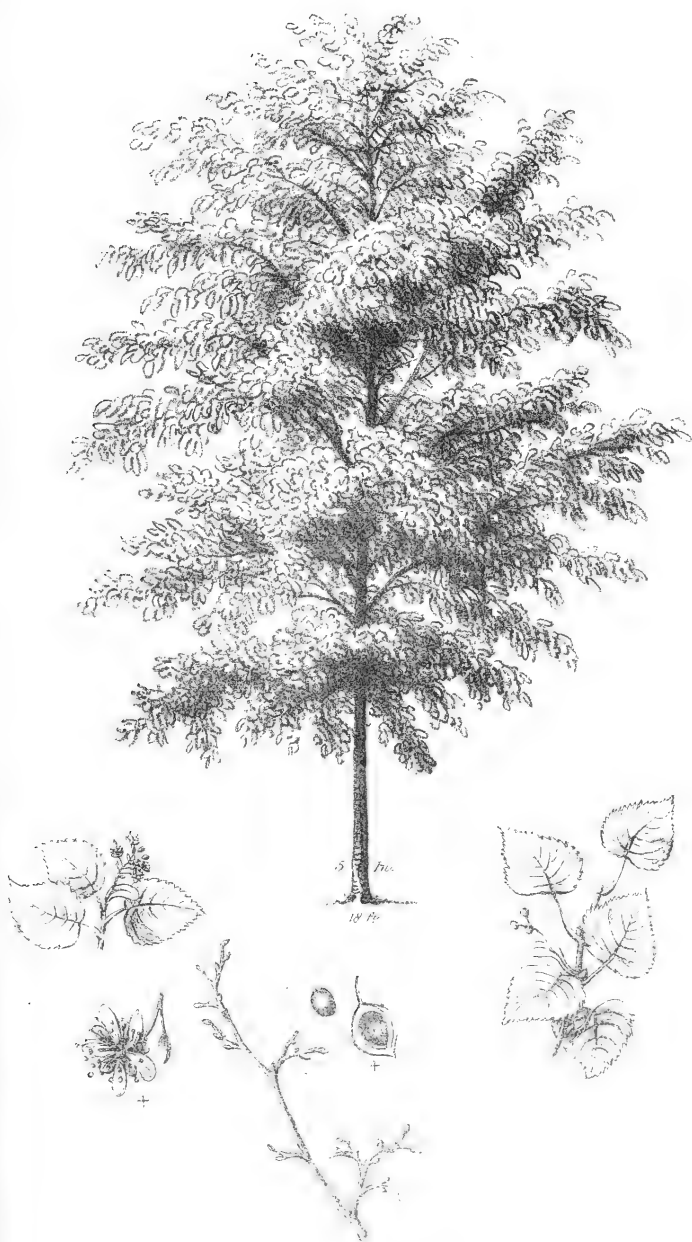




## III.A.

*Tilia europæa.*

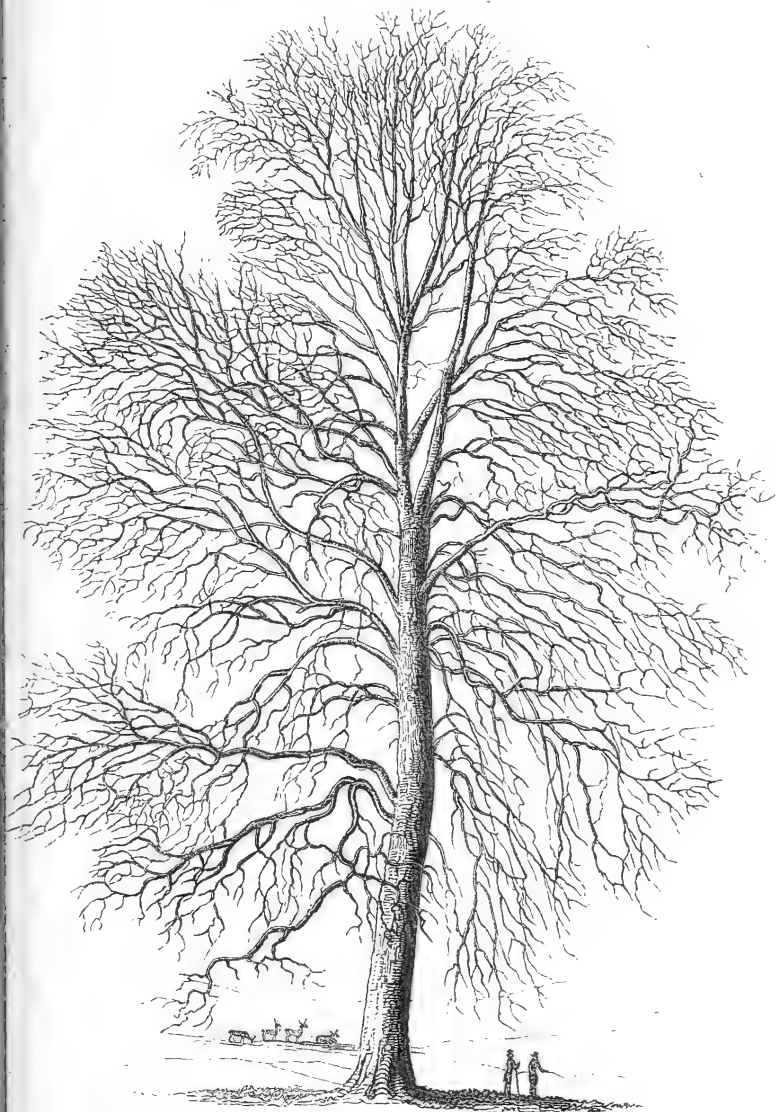
The European, or common, Lime Tree.





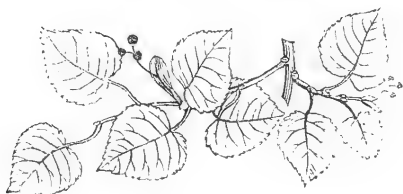
*Tilia europæa.*

The European, or common, Lime tree.



Full-grown tree at Studley Park, 125 ft. high; diam. of the trunk, 6 ft.; and of the head, 75 ft.

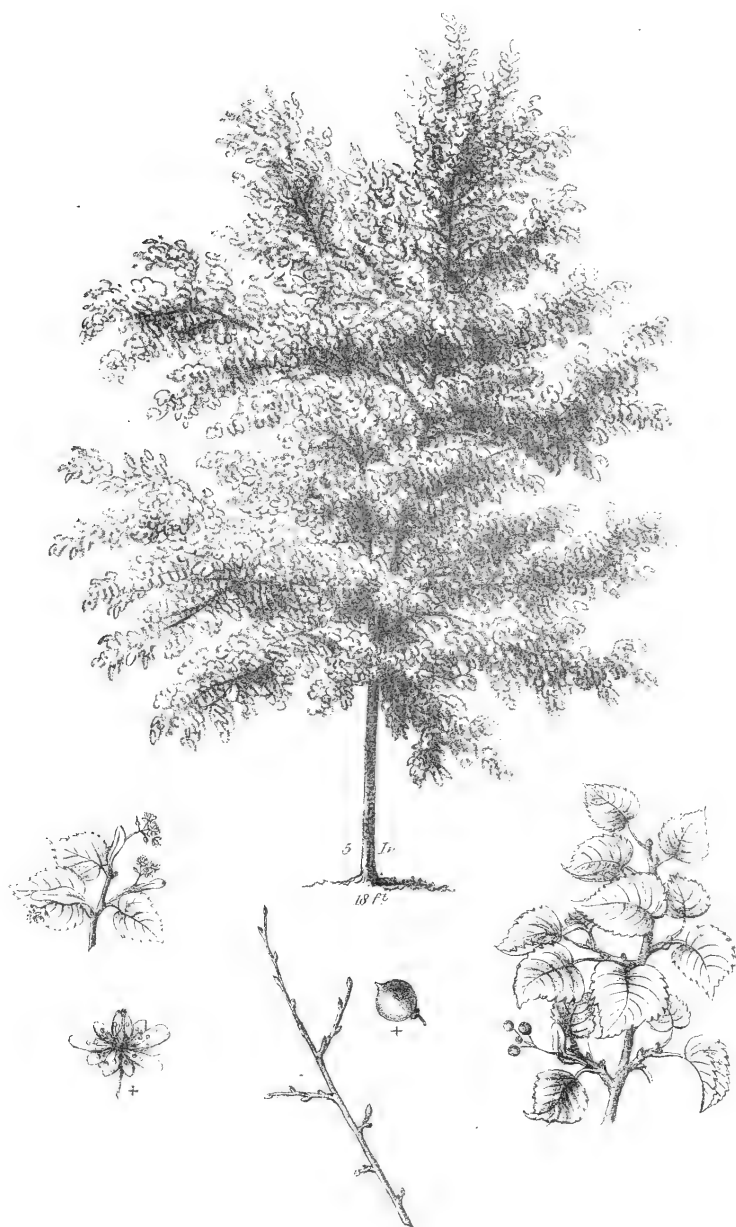
[Scale 1 in. to 24 ft.]





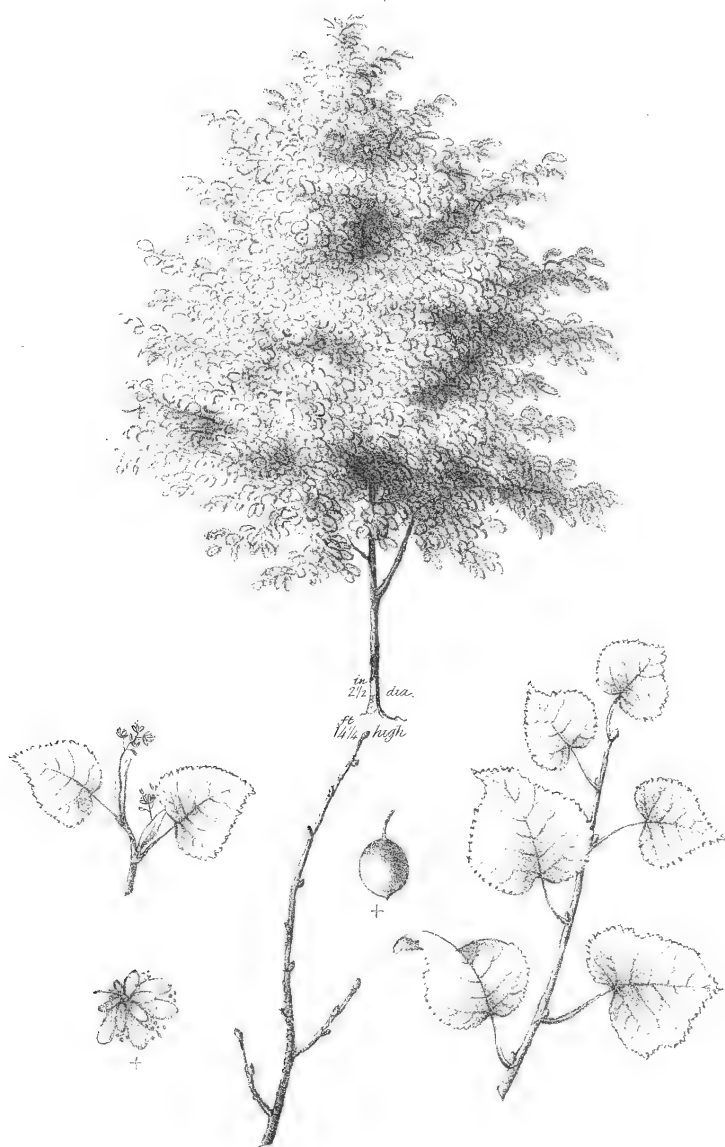


*Tilia europæa glauca.*  
The glaucous-leaved common Lime tree.





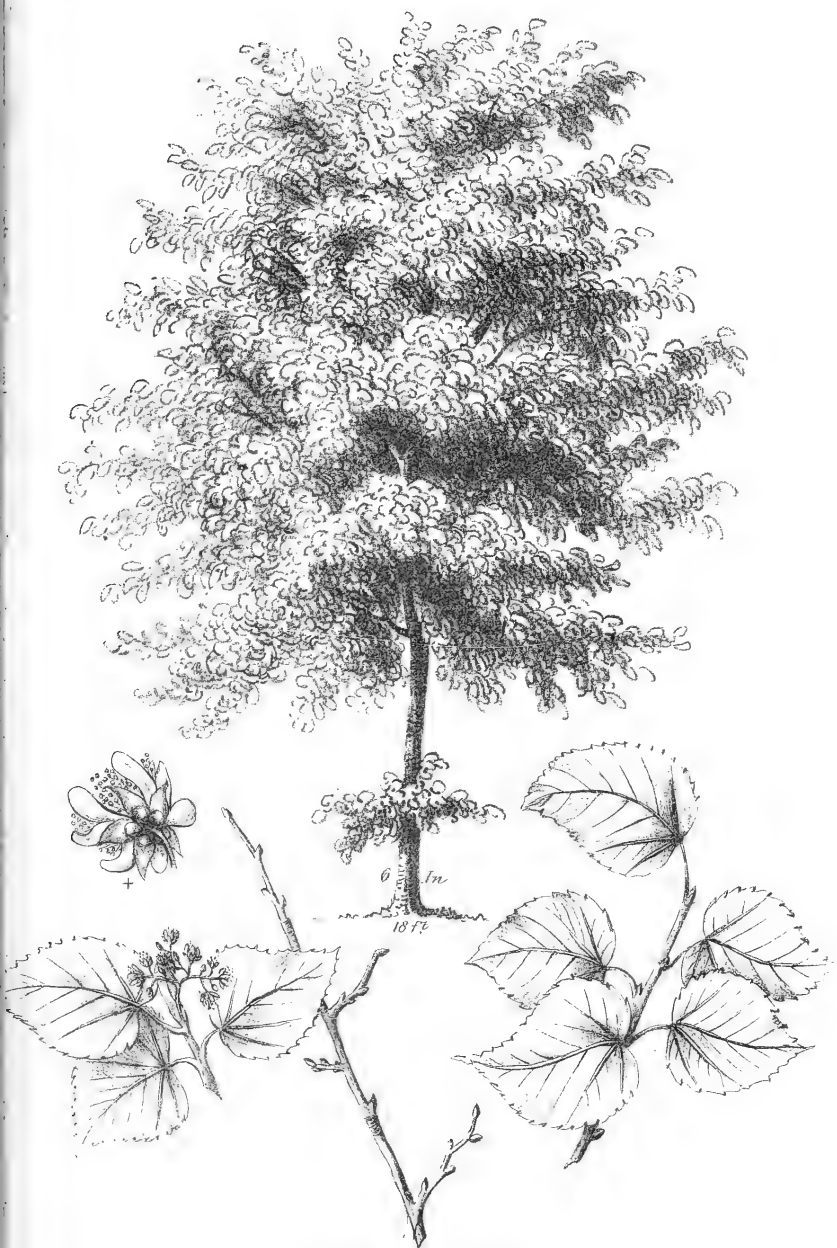
III. C.  
*Tilia rubra.*  
 The red-twigged Lime tree.



At n. 11 on Zm. 14. 5. of R. Baghe.



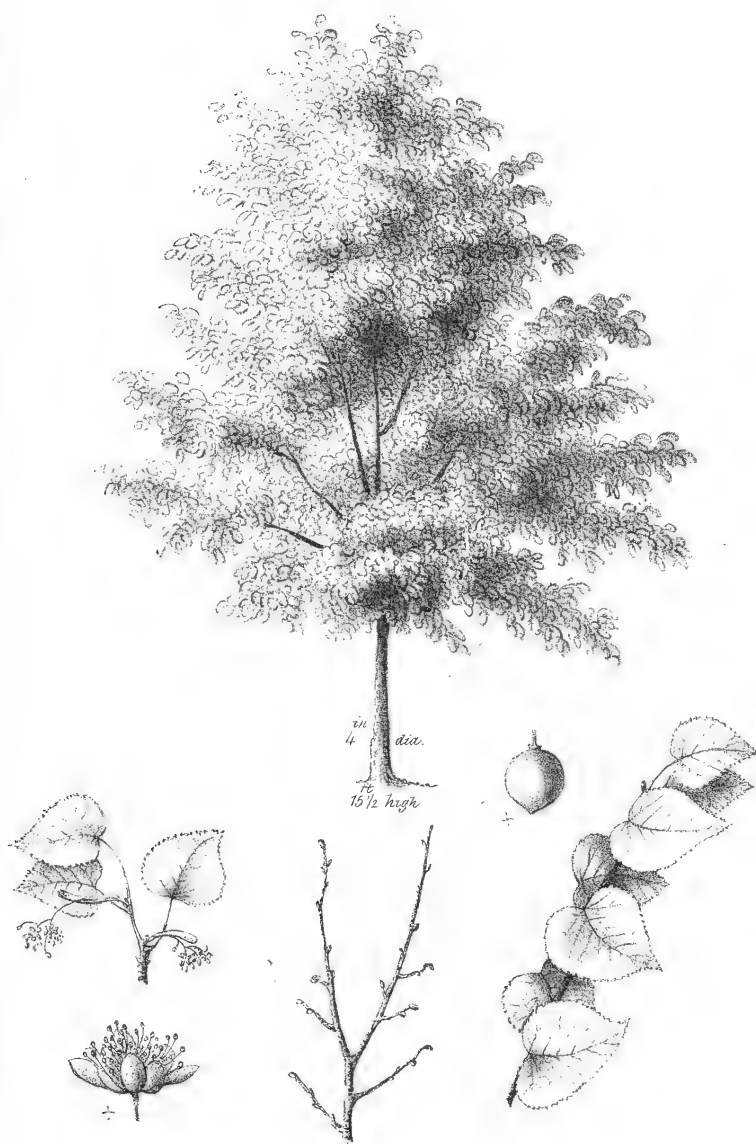
*Tilia platyphylla.*  
The broad-leaved Lime tree.



Drawn by J. Smith, 1845.



*Tilia platyphylla minor.*  
The smaller broad-leaved Lime tree.







*Tilia europæa platyphýlla minor.*

The smaller broad-leaved European Lime tree.

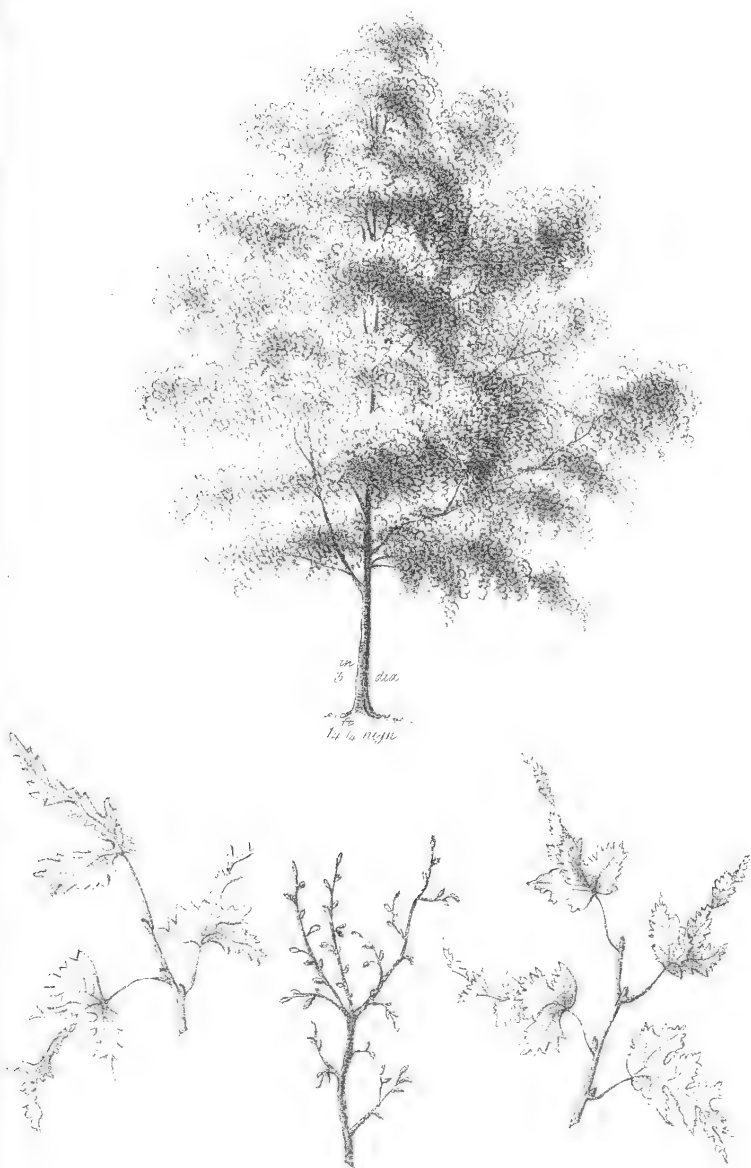


15 ft. high, 4 in. diam.





*Tilia platyphyllo laciniata.*  
The laciniated broad-leaved Lime tree.

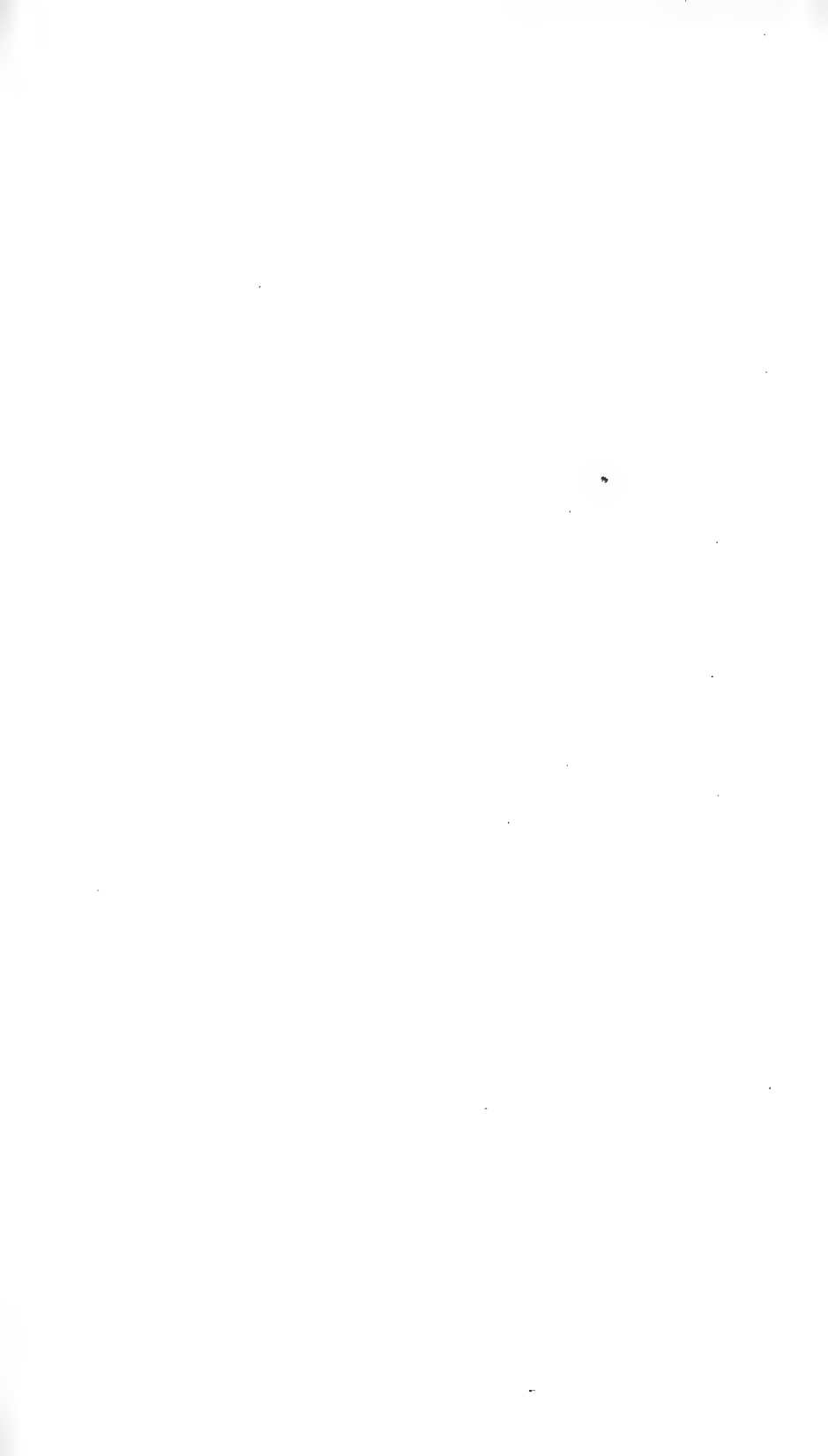




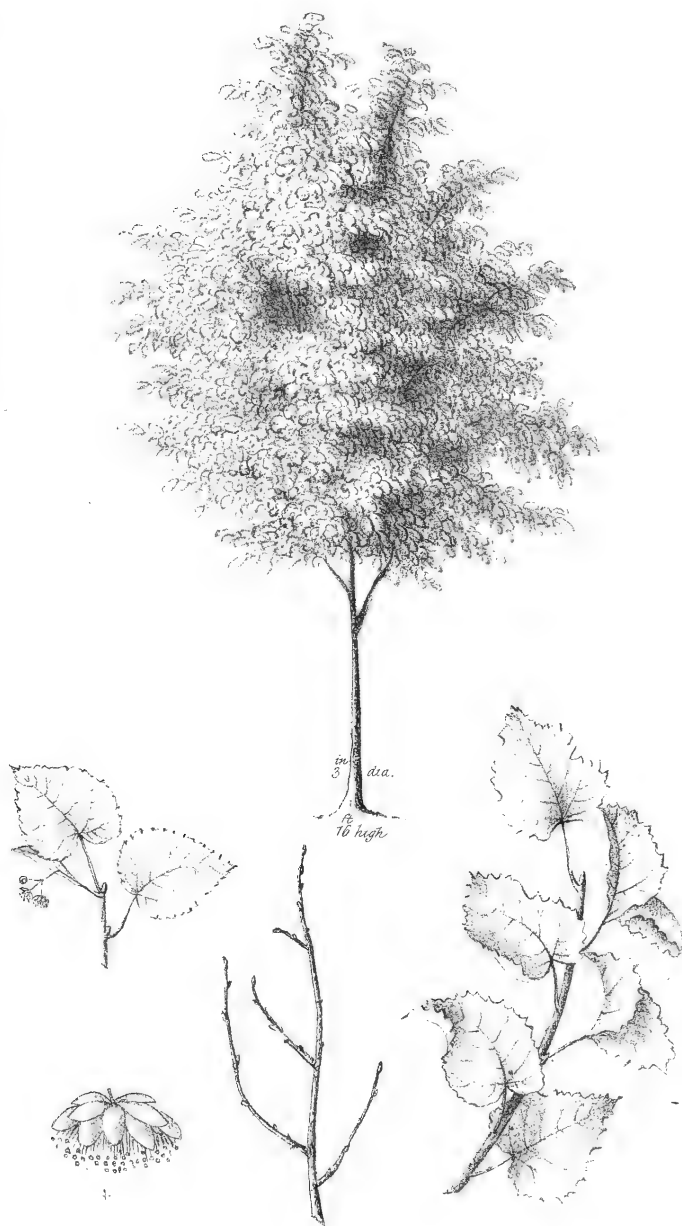
*Tilia parvifolia aurea.*

The small-leaved golden-twigg'd Lime tree.





*Tilia argentea.*  
The silvery-leaved Lime tree.

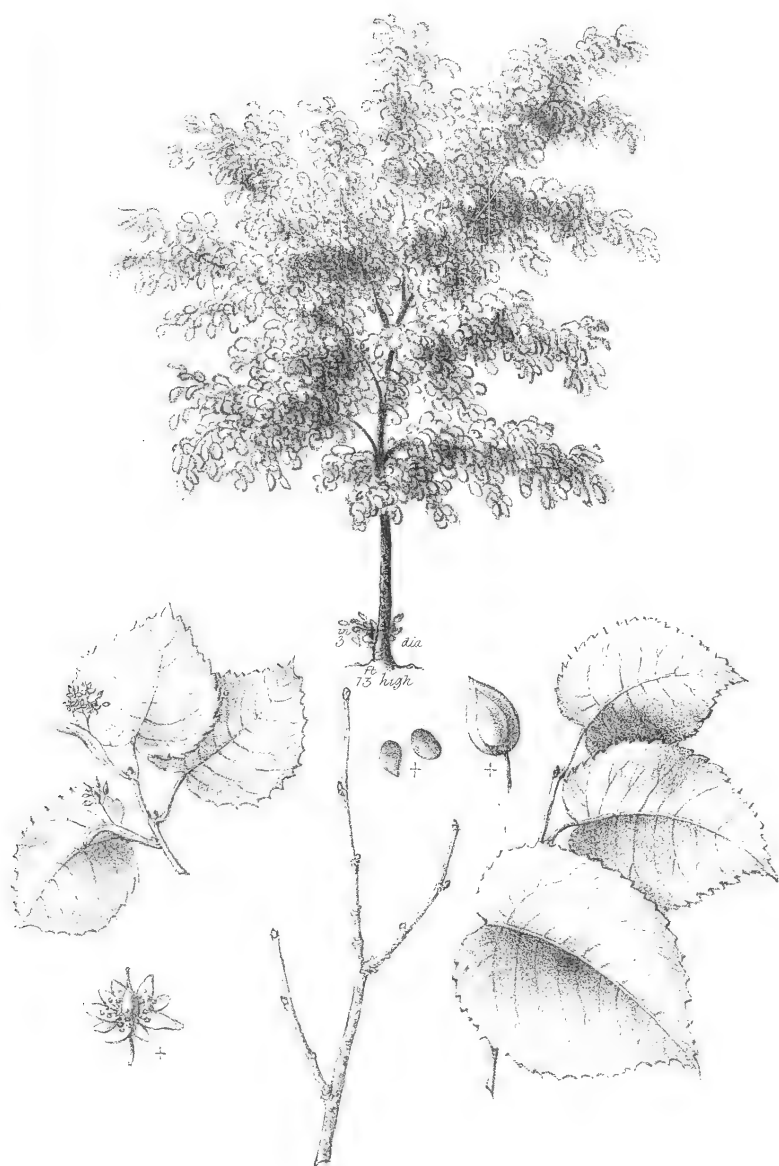






*Vilva alba.*

The white-leaved Lime tree.





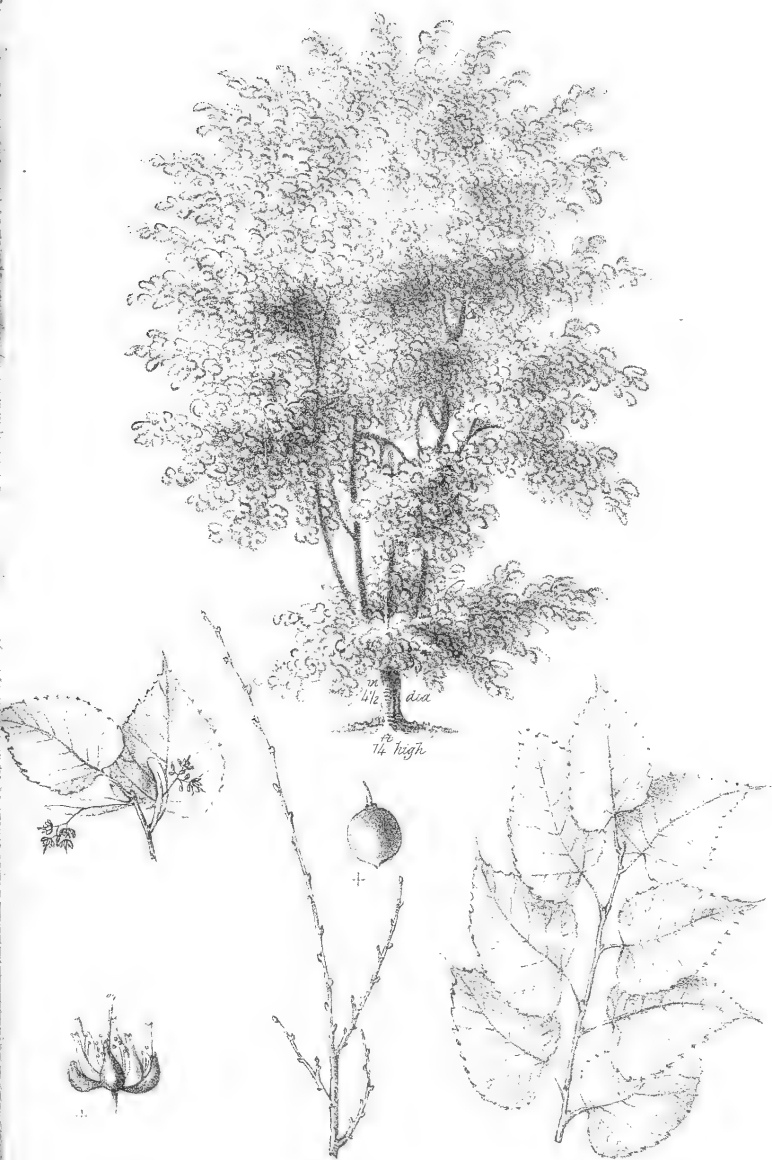
*Tilia laxiflora.*  
The loose-flowered Lime tree



in  
2 3/4  
ft  
15 high

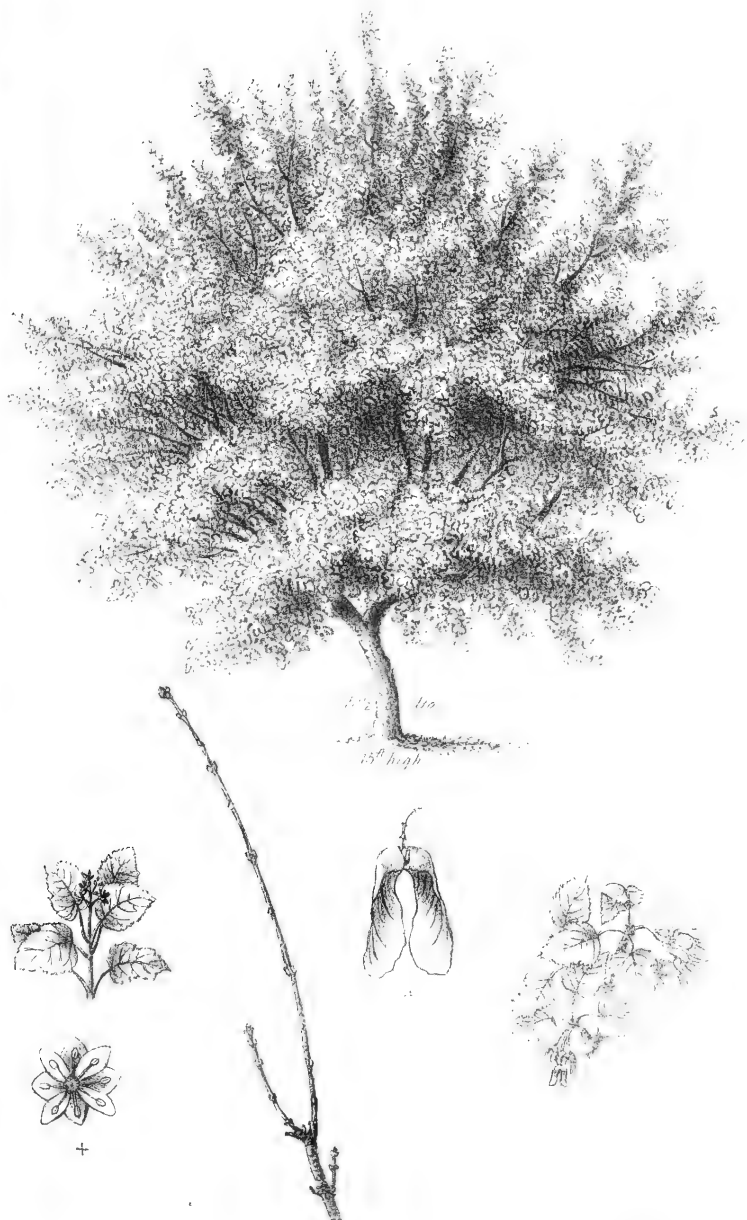








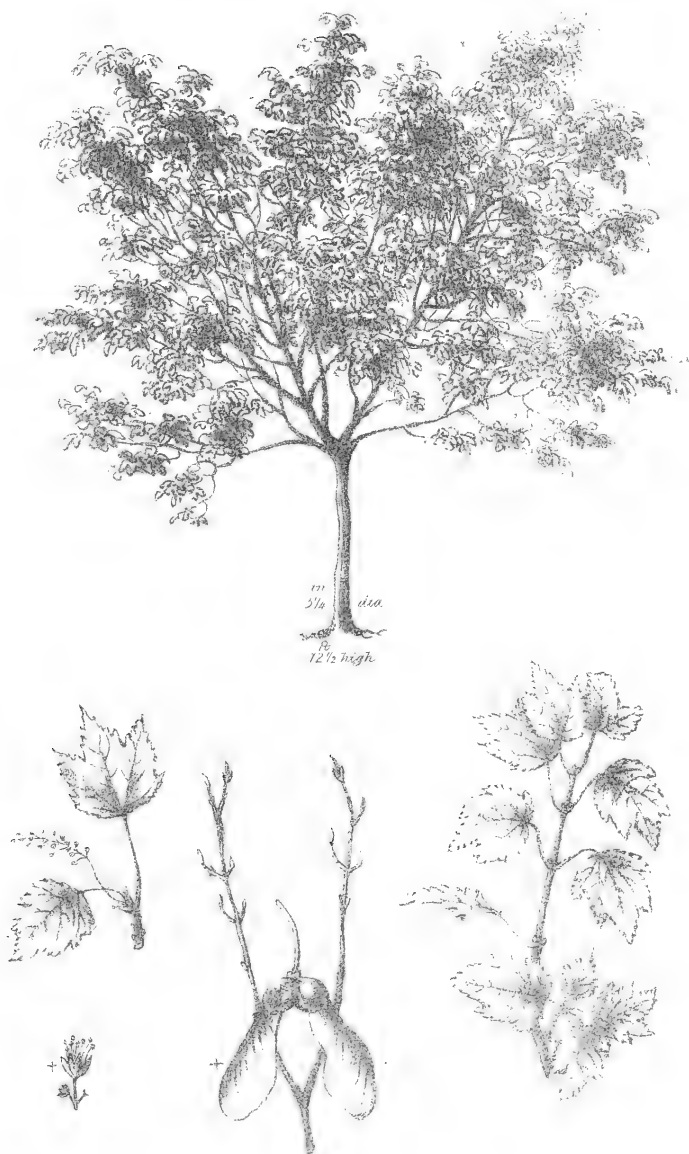
*Acer tatáricum.*  
The Tartarian Maple







*Acer spicatum.*  
The spike flowered Maple.



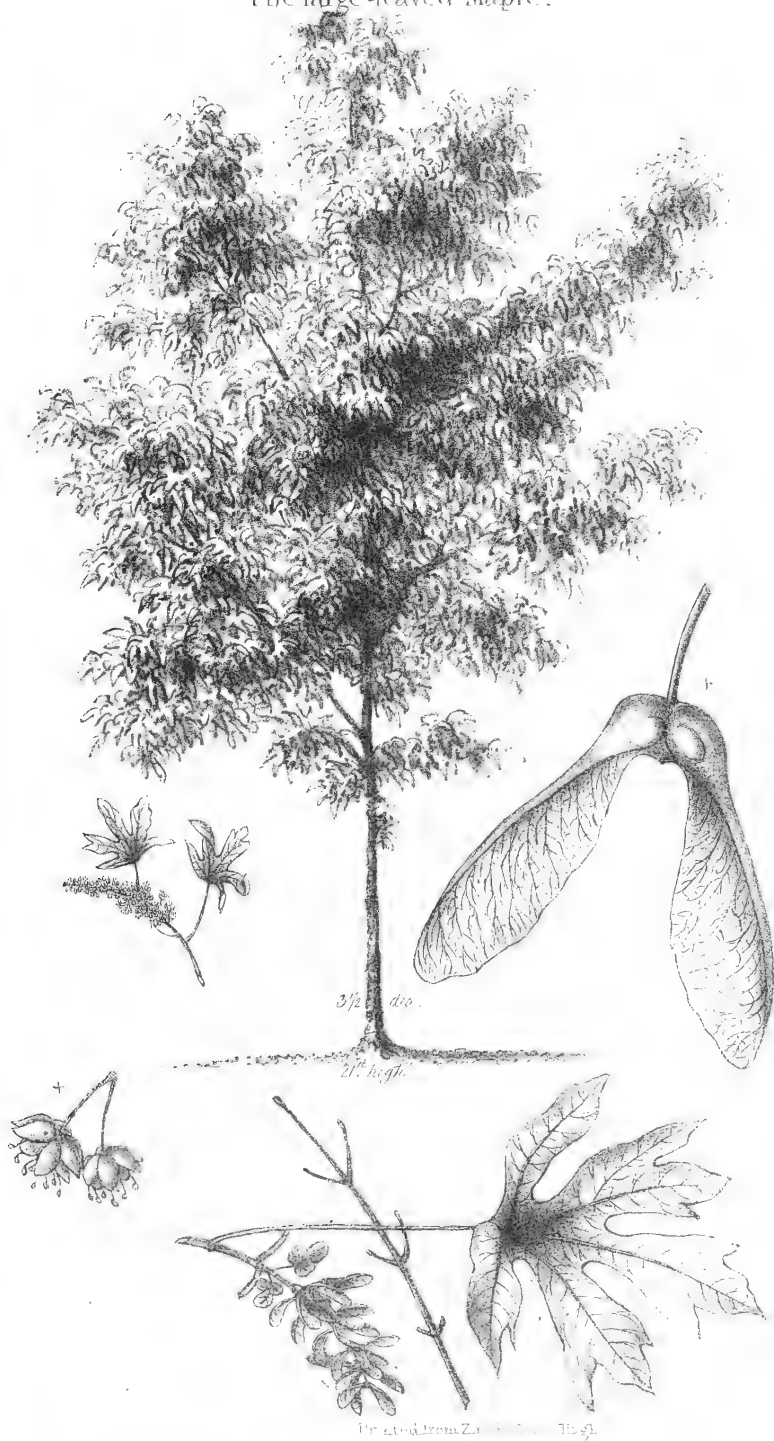


*Acer striatum.*  
The striped-barked Maple.





*Acer macrophyllum*.  
The large-leaved Maple.





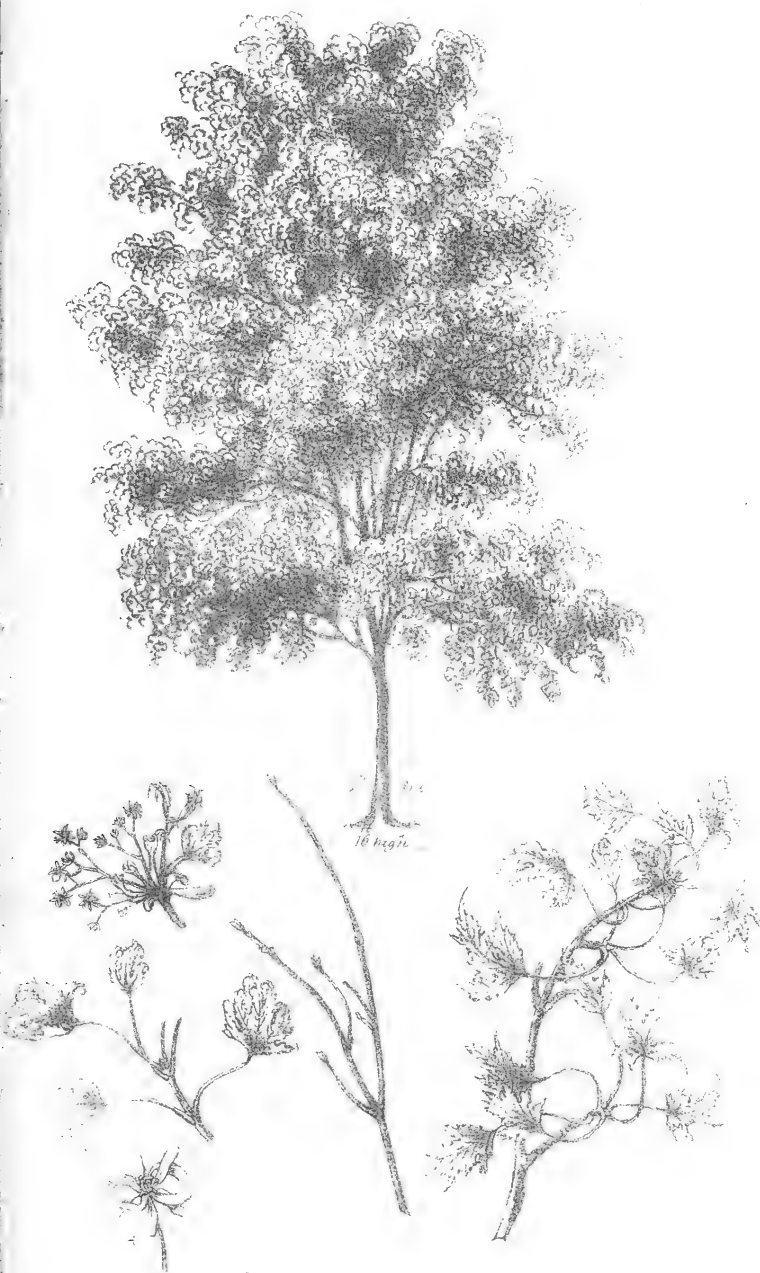
*Acer platanoides*.  
The Platanus-like Maple.







*Acer platanoides laciniatum.*  
The cut-leaved Platanus-like Maple.





IV.M  
*Acer saccharinum.*  
The sugar Maple.

37



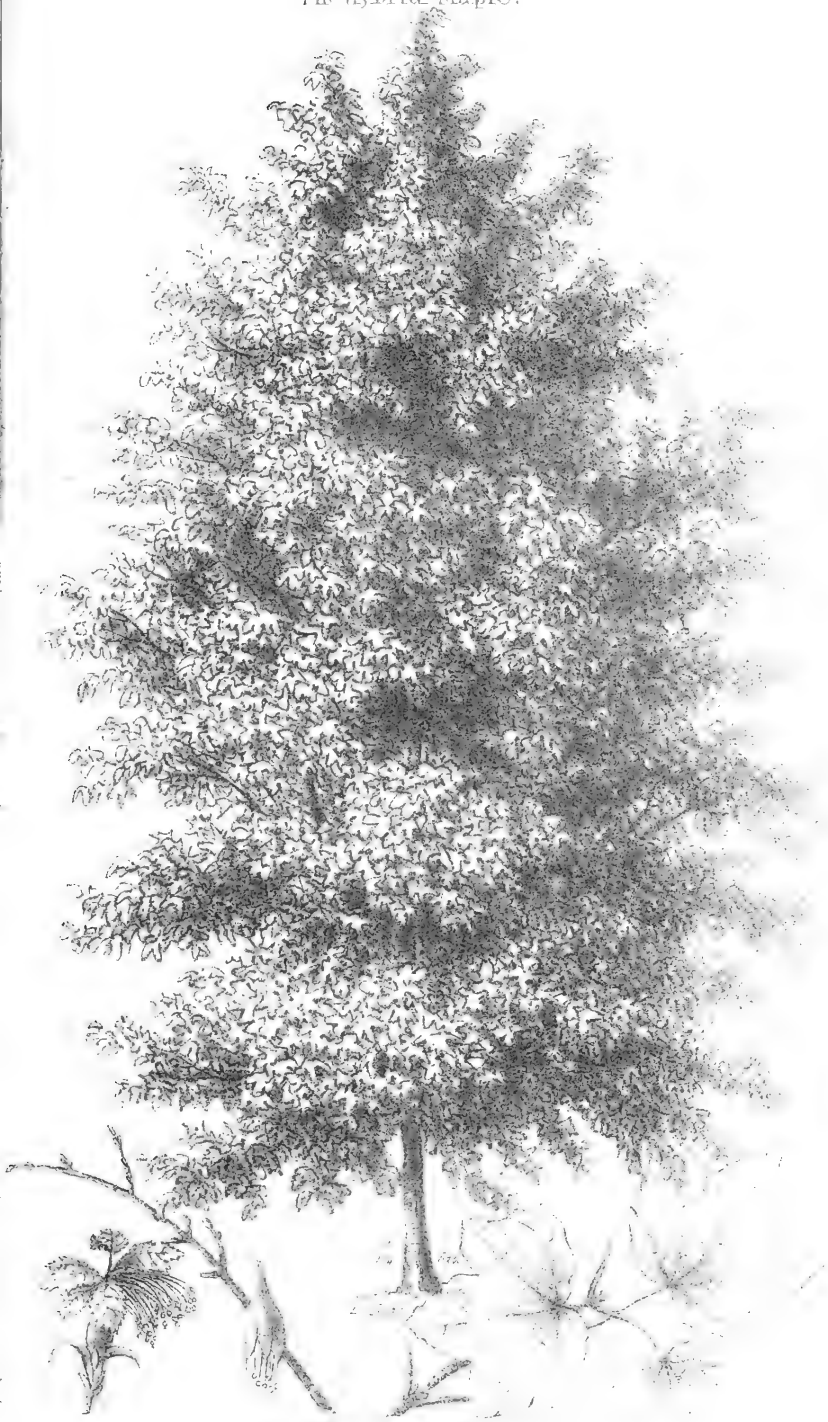


IV H.  
*Acer Pseudo-Platanus.*  
The *Sycamore*, or Bastard Plane tree Maple.





*Acer hybridum.*  
The hybrid Maple.







*Acer opulifolium.*

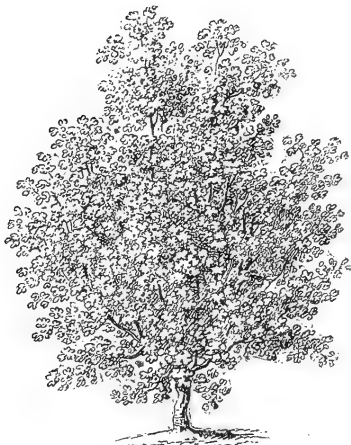
The Guelder-Rose-leaved Maple.





*Acer Ópulus.*

The Guelder-rose-like Maple.

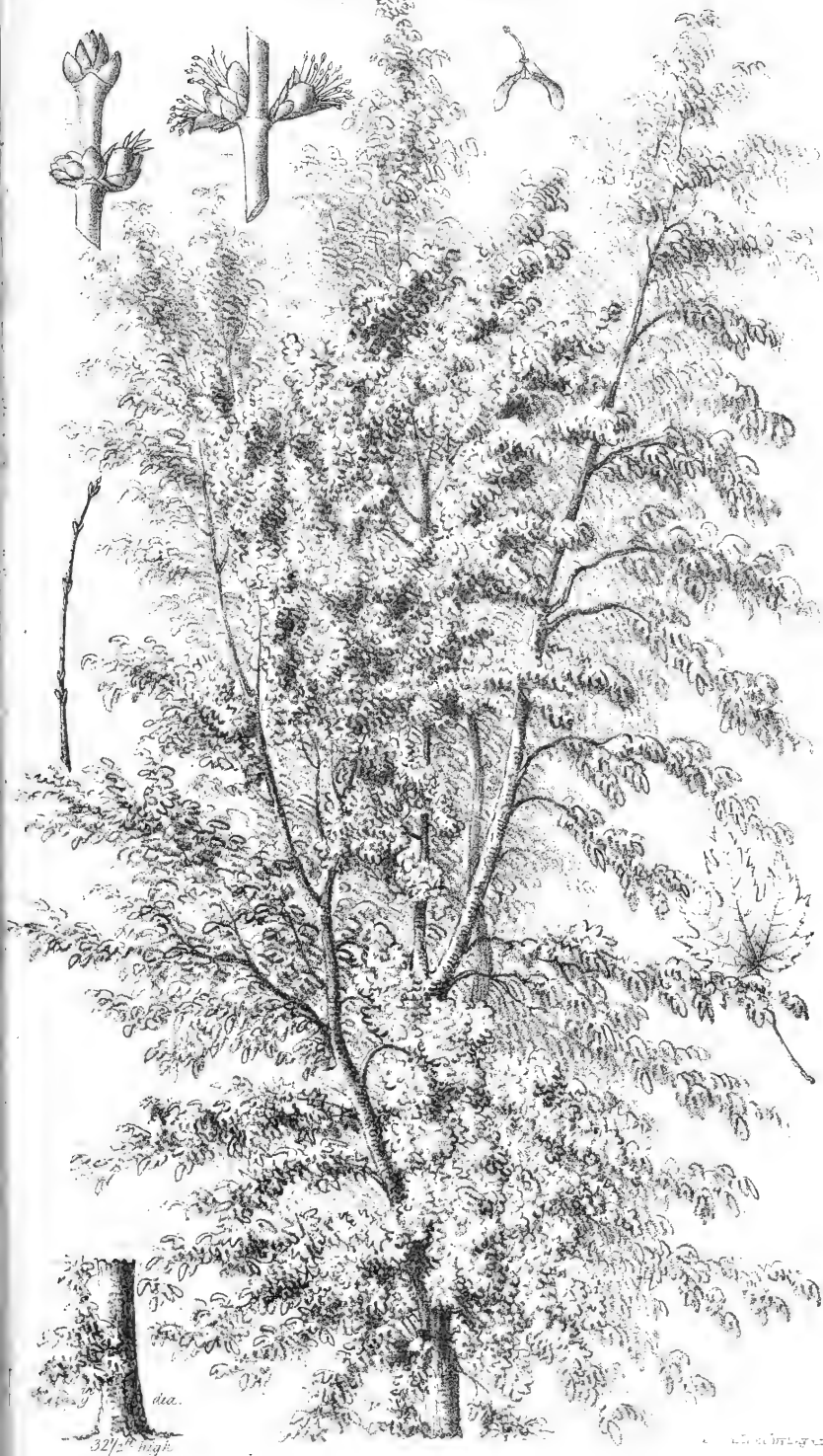


10 ft. high, 2½ in. diam.





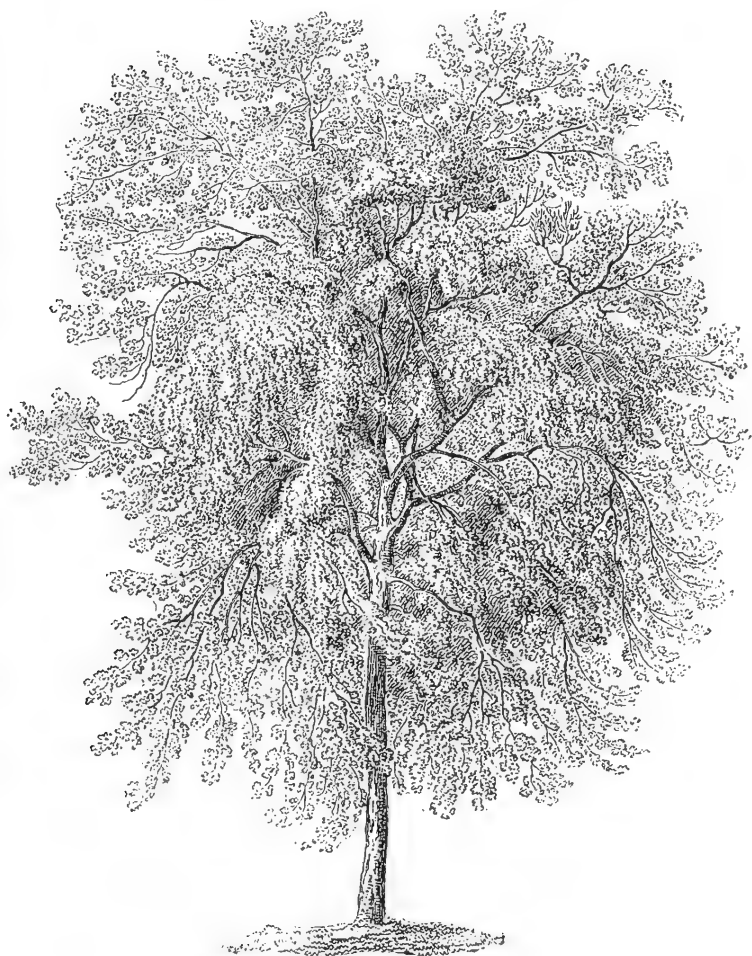
IV P  
*Acer crivicarpum.*  
 The woolly-fruited Maple.





*Åcer eriocárpon.*

The woolly-fruited Maple.



Full-grown tree at Kew, 56 ft. high; diam. of the trunk, 3 ft.; and of the head, 15 ft.

[Scale 1 in. to 12 ft.]







IV. o.  
*Acer rubrum.*  
The red-flowered Maple.

59



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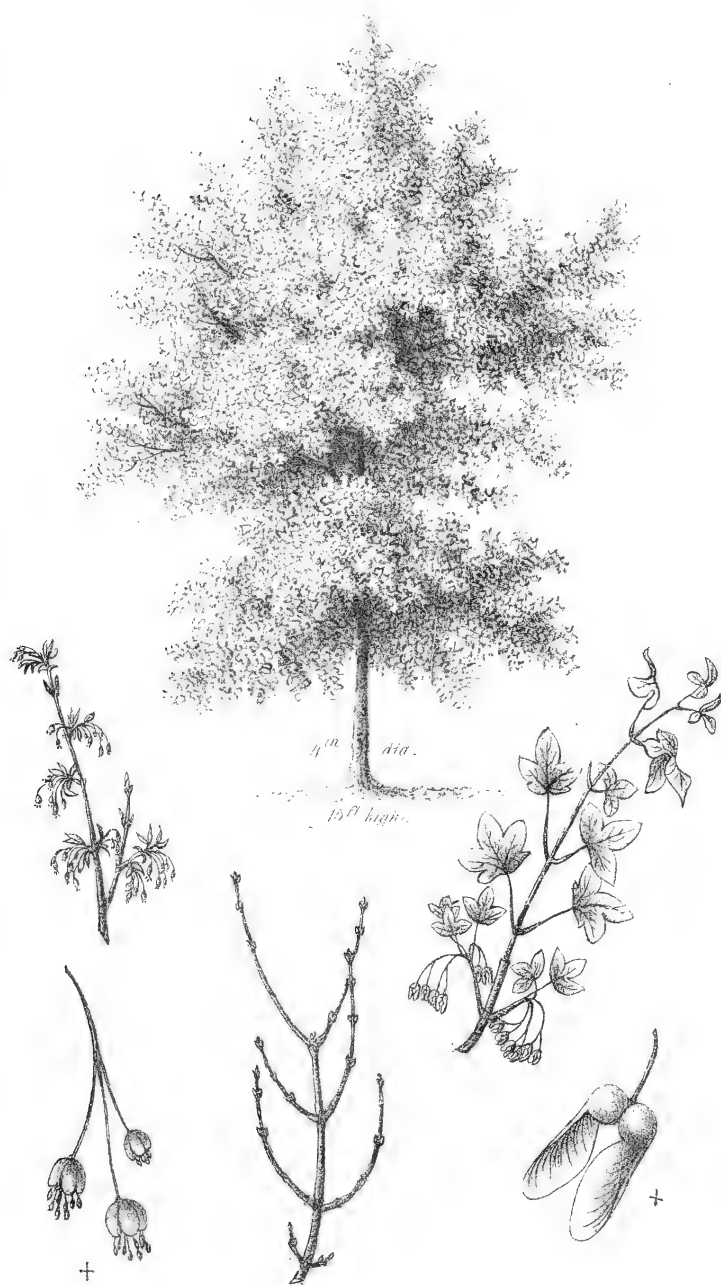
*Acer rubrum.*The Red, or *Swamp* Maple.

Full grown tree at Kew, 36 ft. high ; diam. of the trunk,  $2\frac{3}{4}$  ft ; and of the head, 30 ft.  
[Scale 1 in. to 12 ft.]





*Acer monspessulanum*.  
The Montpellier Maple.





*Àcer monspessulànum.*

The Montpellier Maple.



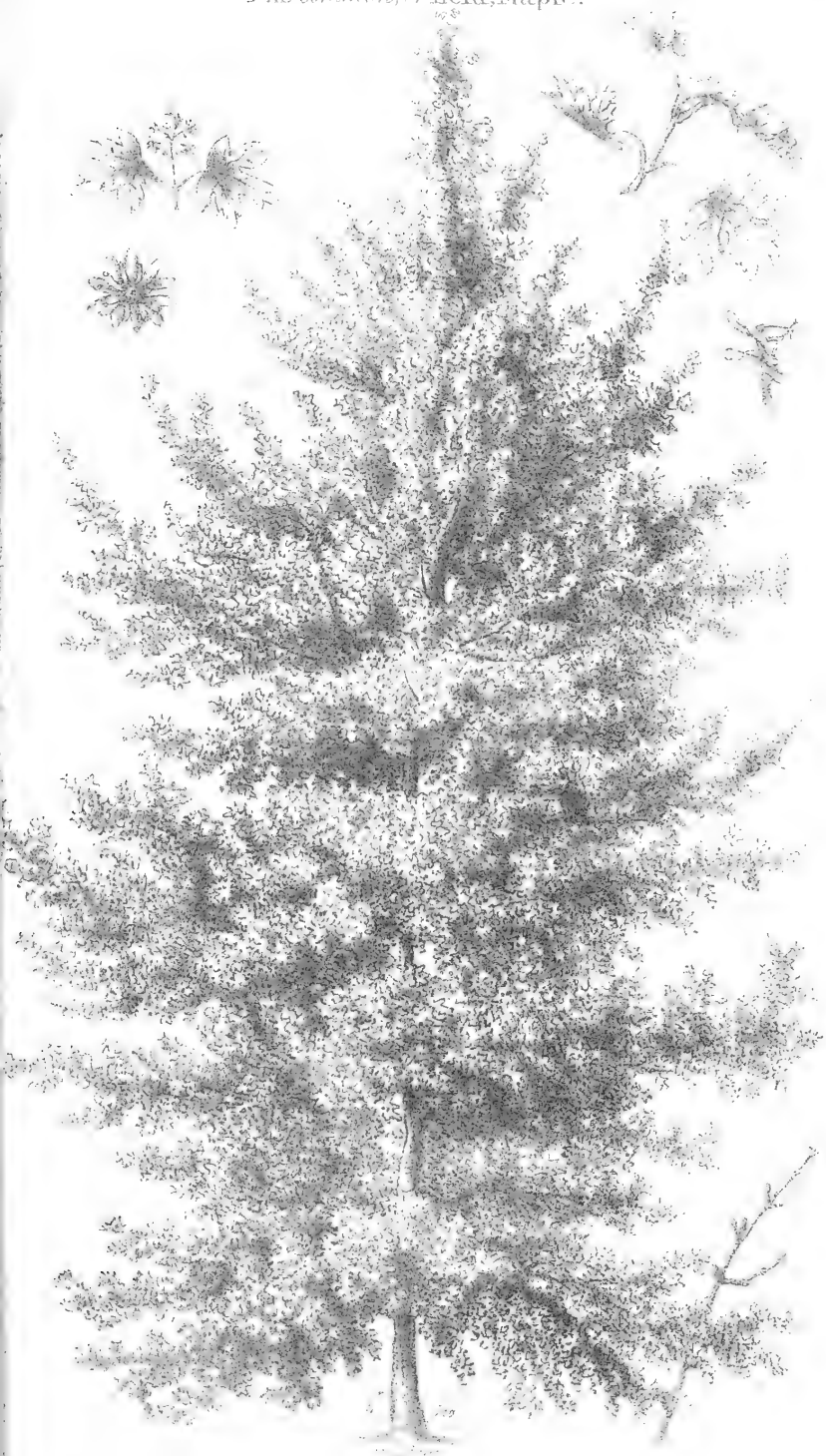
Full grown tree at Ham House, 30 ft. high; diam. of the head, 40 ft.; and of the trunk,  $1\frac{1}{2}$  ft.  
[Scale 1 in. to 12 ft.]



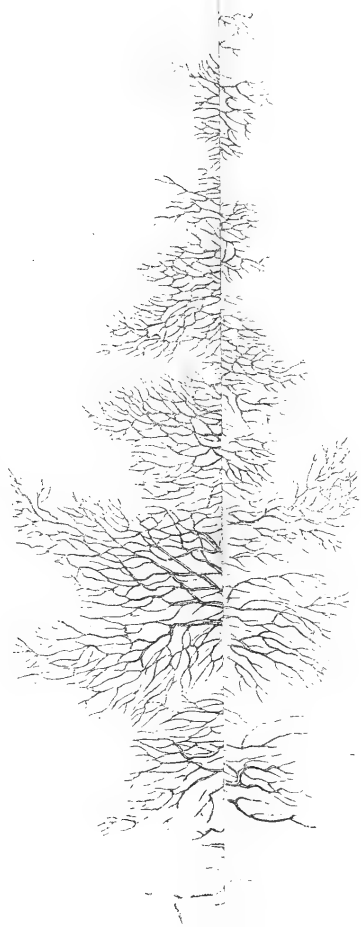




*Acer campestre.*  
The common, or field, Maple.







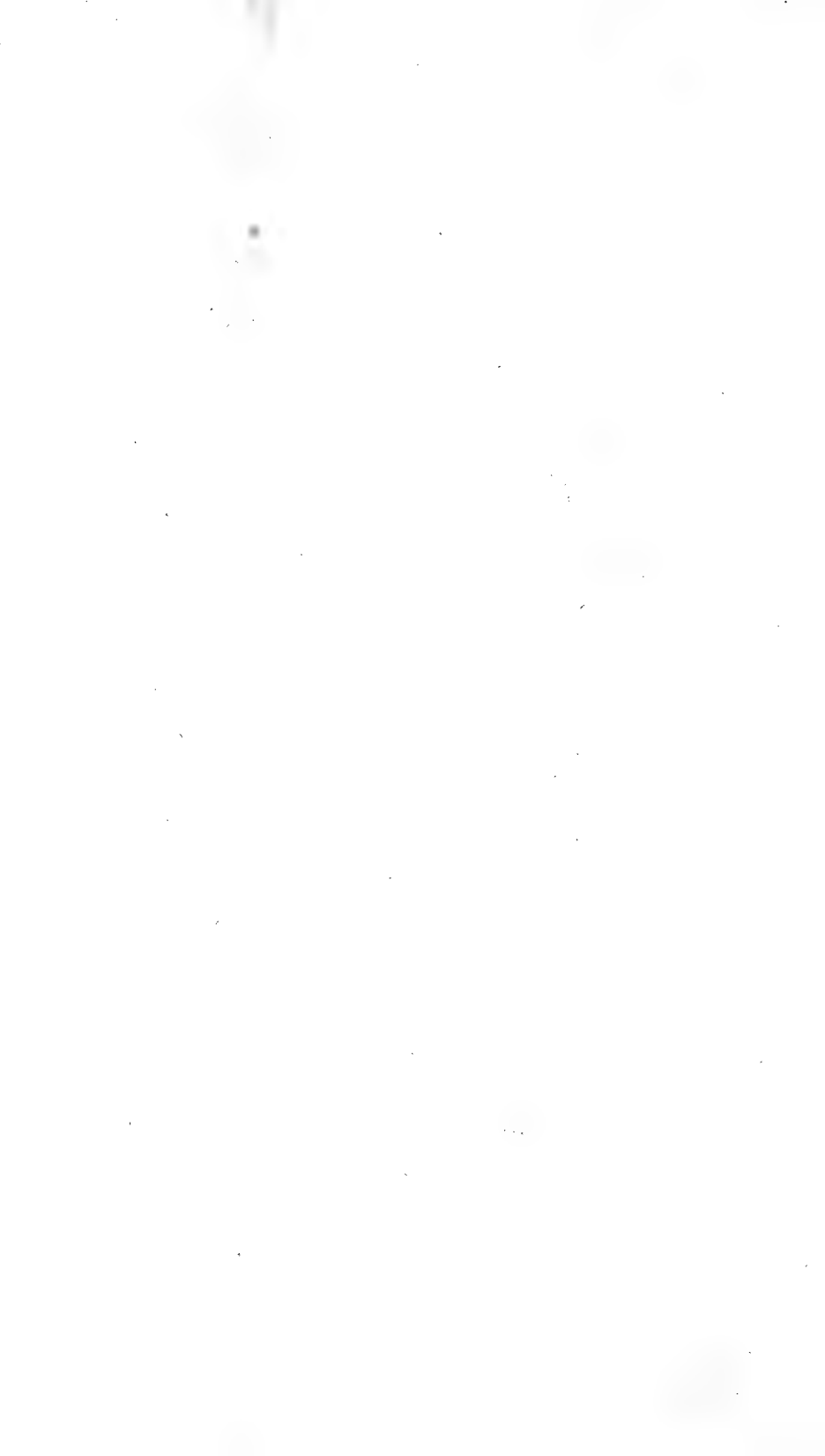


*Acer campéstre.*  
The common, or field Maple.



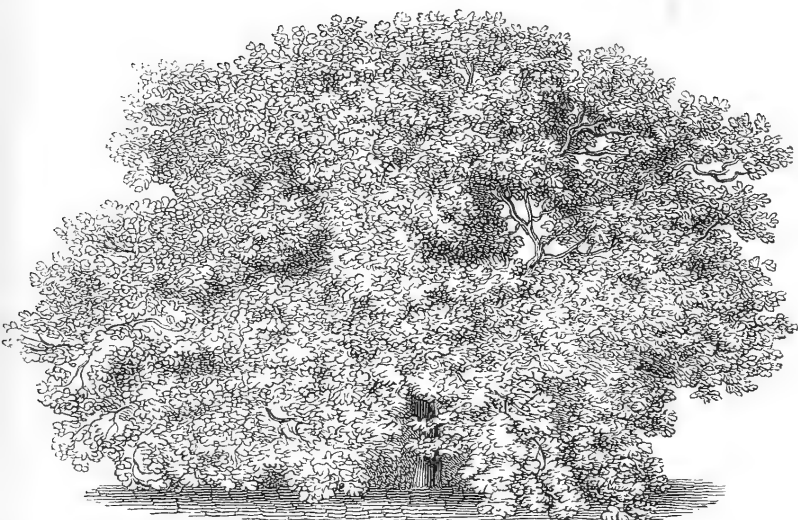
Full-grown tree at Studley Park, 70 ft. high; diam. of the trunk,  $5\frac{1}{2}$  ft.; and of the head, 58 ft.  
[Scale 1 in. to 12 ft.]





*Ācer créticum.*

## The Cretan Maple.



Full grown tree at Syon, 58 ft. high; diam. of the trunk, 2½ ft. and of the head, 43 ft.

[Scale 1 in. to 12 ft.]







V.A.  
*Negundo fraxinifolium.*  
 The Ash-leaved Box Elder.

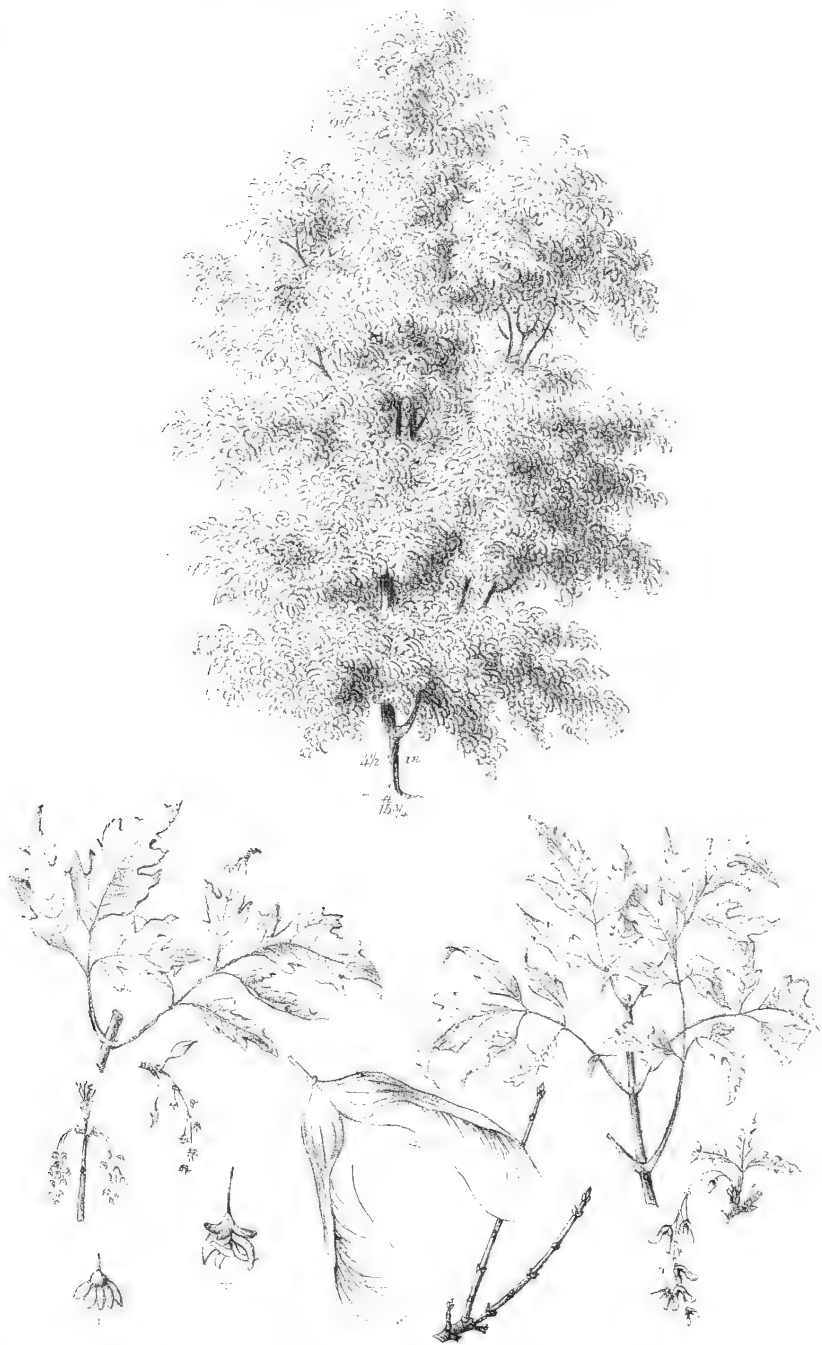
41



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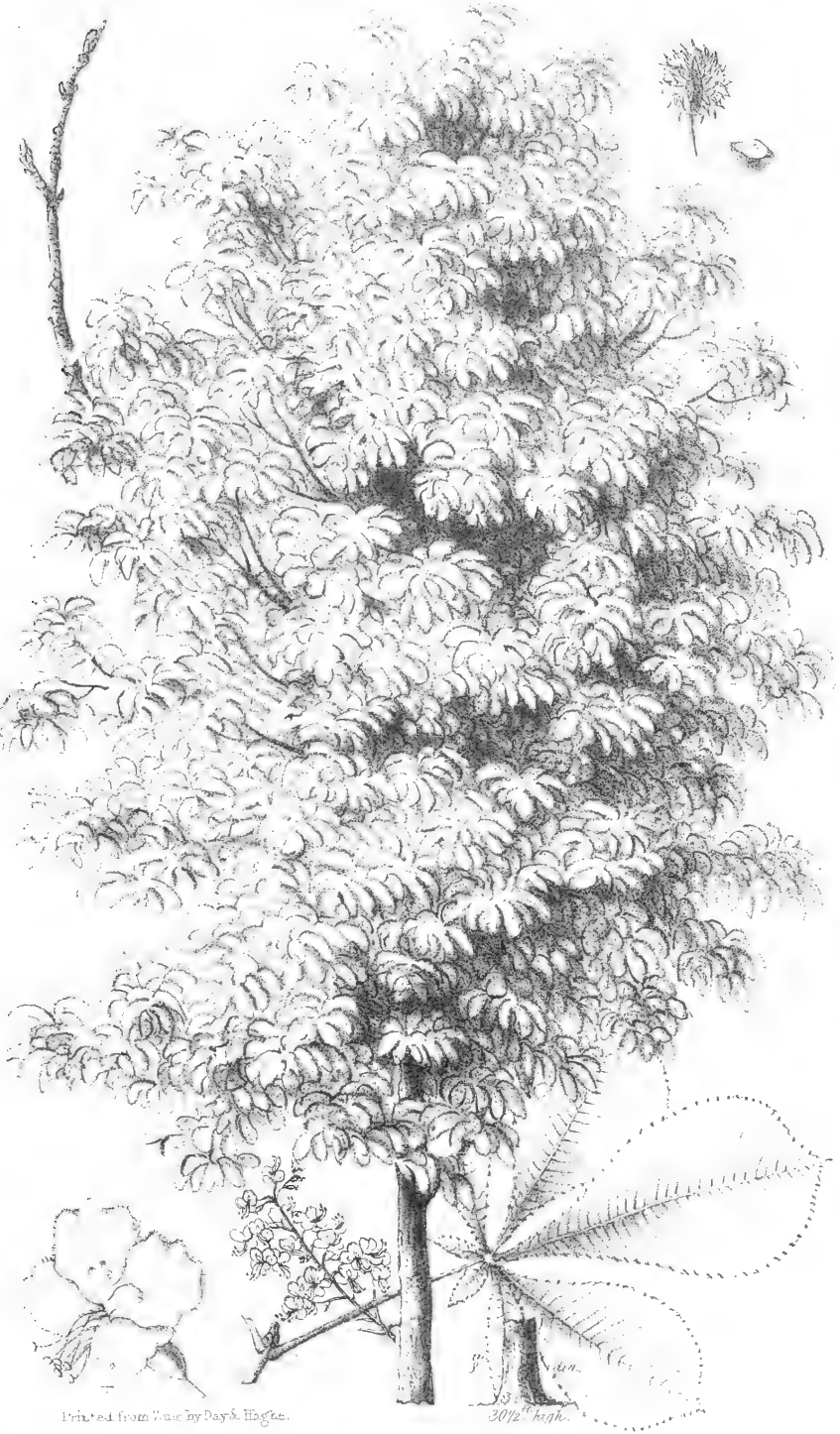
*Negundo fraxinifolium crispum.*  
The curled Ash-leaved Box Elder.



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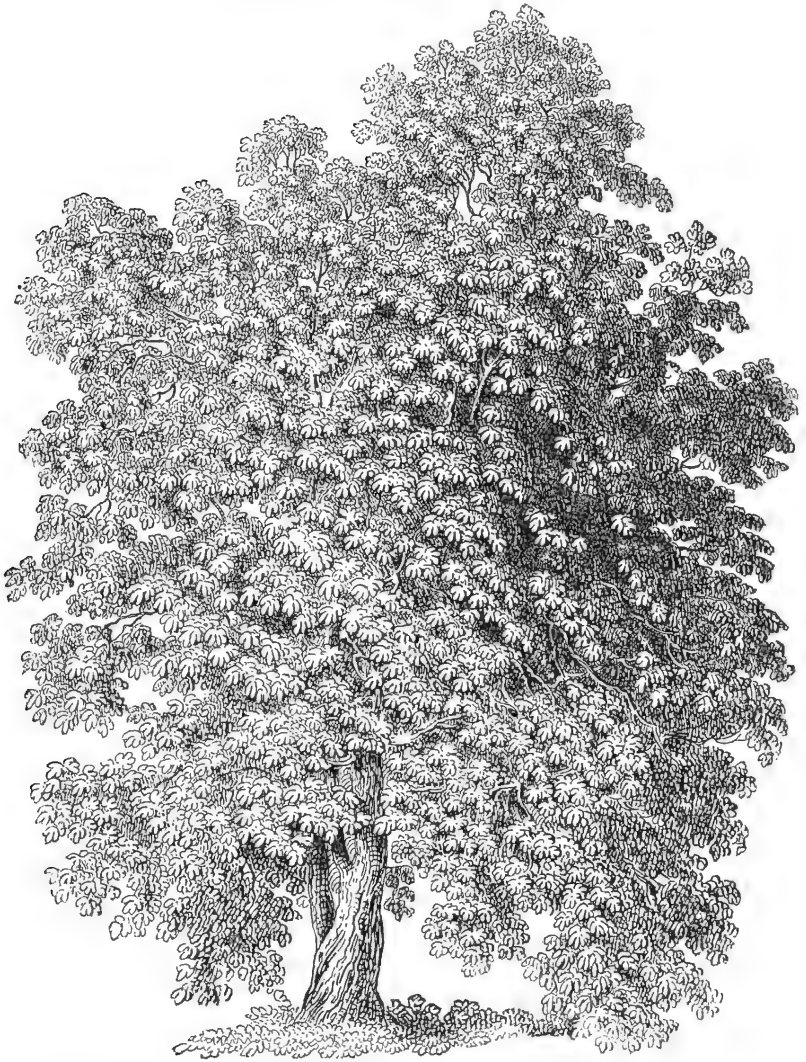


*Fiscus Hippocastanum*.  
The common Horsechestnut.

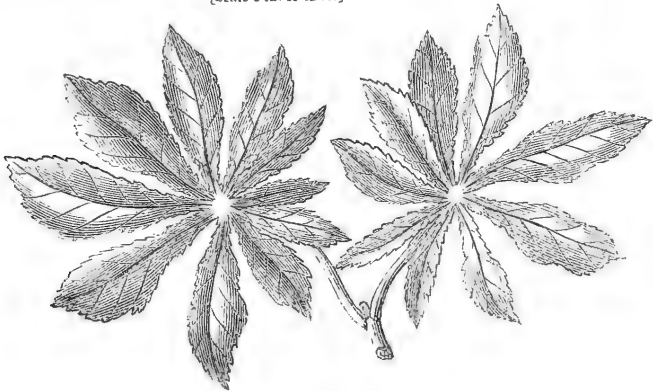




*Æsculus Hippocástanum.*  
The common Horse-Chestnut.



Full-grown tree at Forty Hill, Enfield, 62 ft. high; diam. of the trunk 4 ft.; and of the head, 48 ft.  
[Scale 1 in. to 12 ft.]

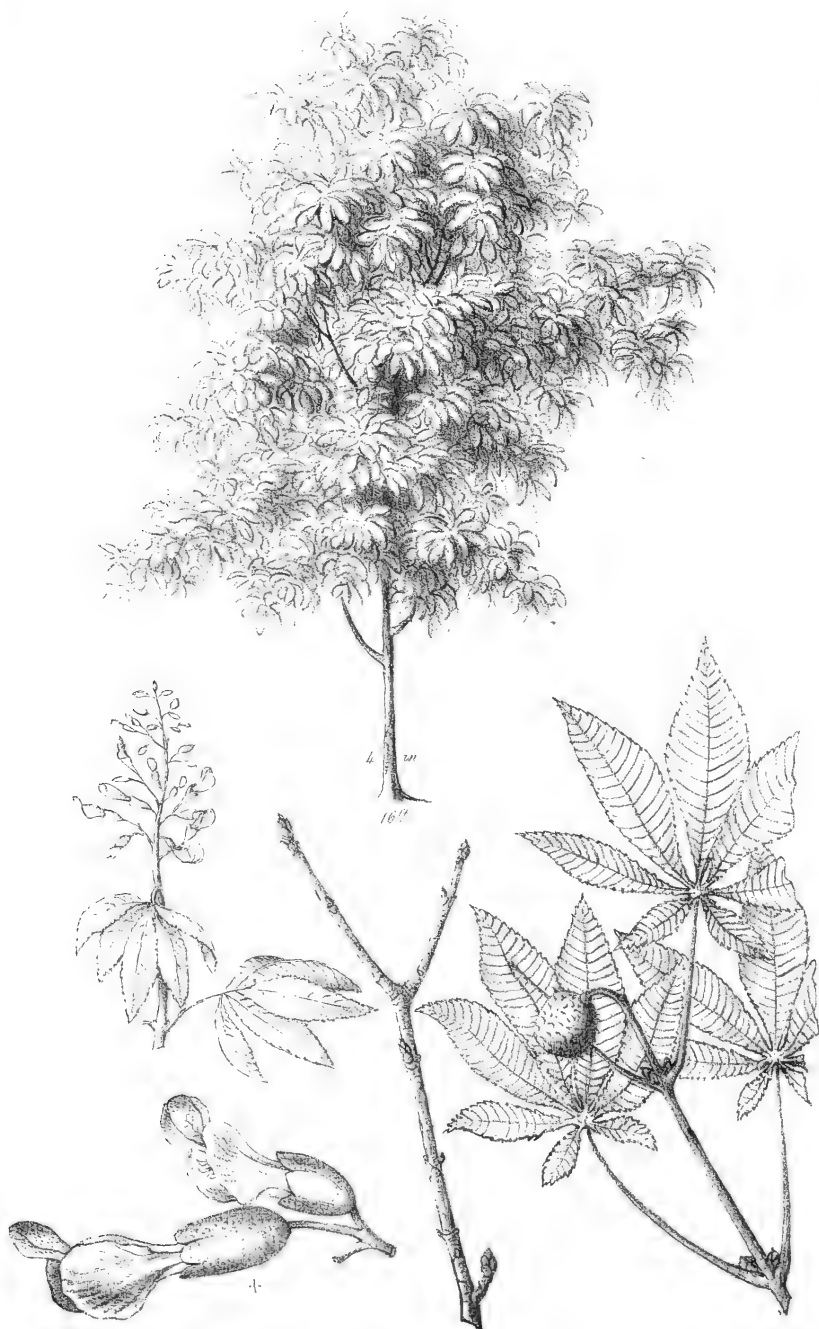






*Æsculus carnea.*

The flesh-coloured-flowered Horsechestnut.





*Pàvia rùbra.*

The red-flowered, Pavia, or smooth-fruited Horse-Chestnut.



10 ft. high,  $4\frac{1}{2}$  in. diam.





*Pàvia rùbra.*

The red-flowered Pavia, or smooth-fruited, Horse-chestnut tree.



10 ft. high. 2½ in. diam.





*Pavia rubra.*

The red-flowered Pavia, or smooth fruited, Horse-chestnut tree.



Full grown tree at Syon ; 26 ft. high ; several small trunks from the same root head, 27 ft. diam.  
[Scale 1 in. to 12 ft.]



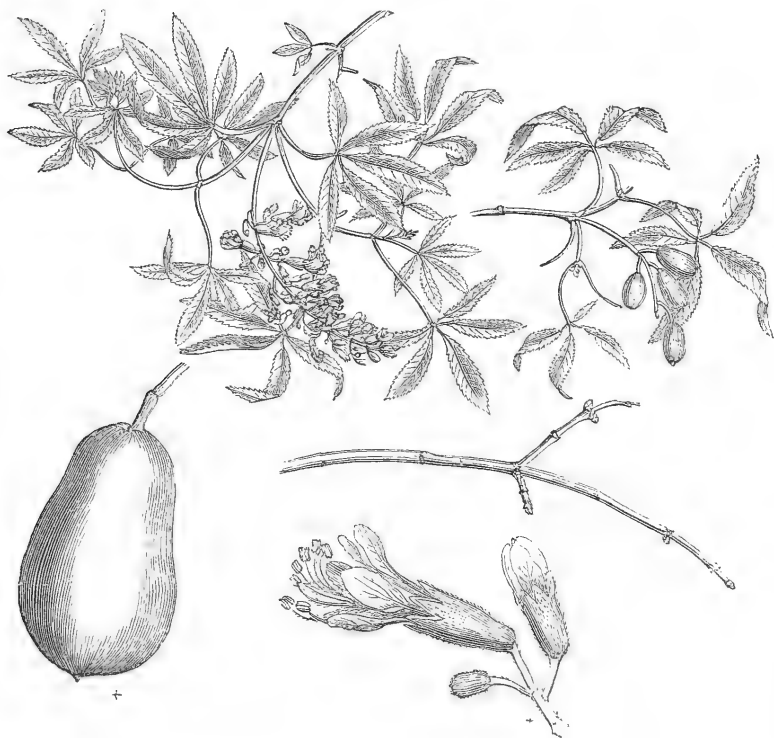




*Pàvia húmilis péndula.*  
The pendulous-branched Pavia.



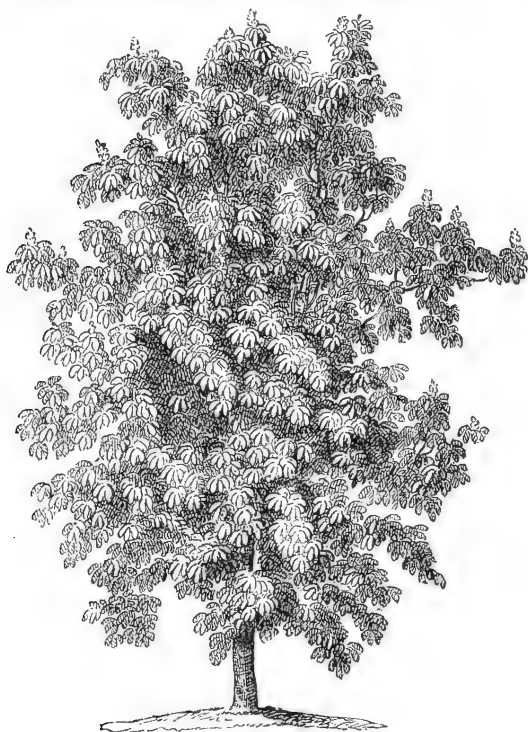
11 ft. high, 2¾ in. diam.





*Pavia flava.*

The yellow-flowered, Pavia, or smooth-fruited Horse-Chestnut.



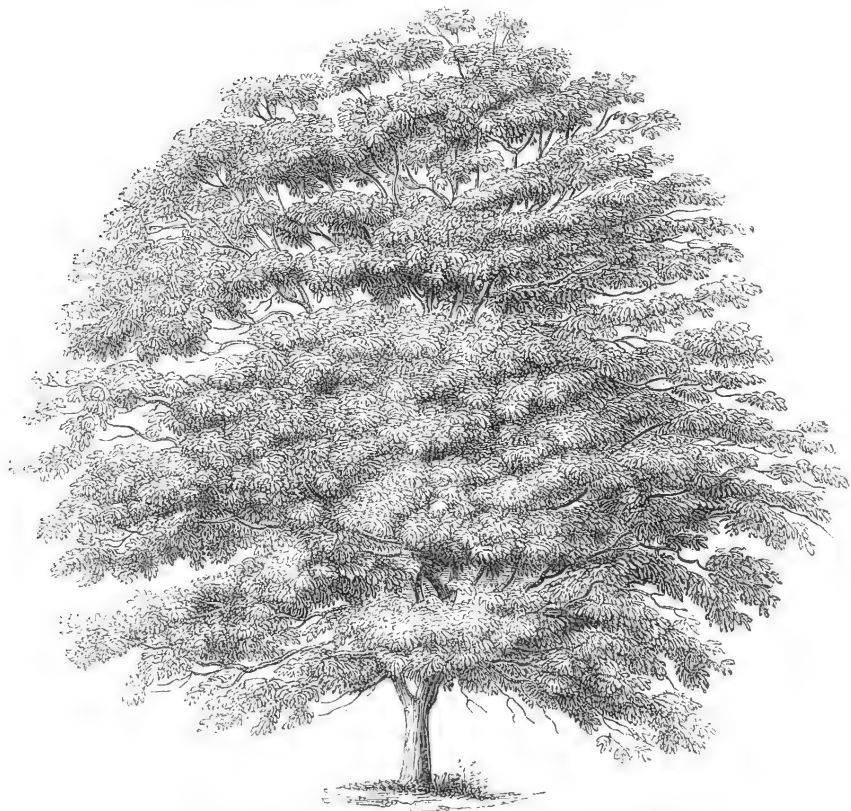
15 ft. high, 6 in. diam.





*Æ'sculus (Pavia) flava.*

The yellow-flowered (Pavia) Horse-chestnut.



Full-grown tree at Syon; 40 ft. high; trunk, 1 ft. 4 in. diam.; diam. of the head, 39 ft.





*Pàvia macrocárpa.*  
The large-fruited Pavia.



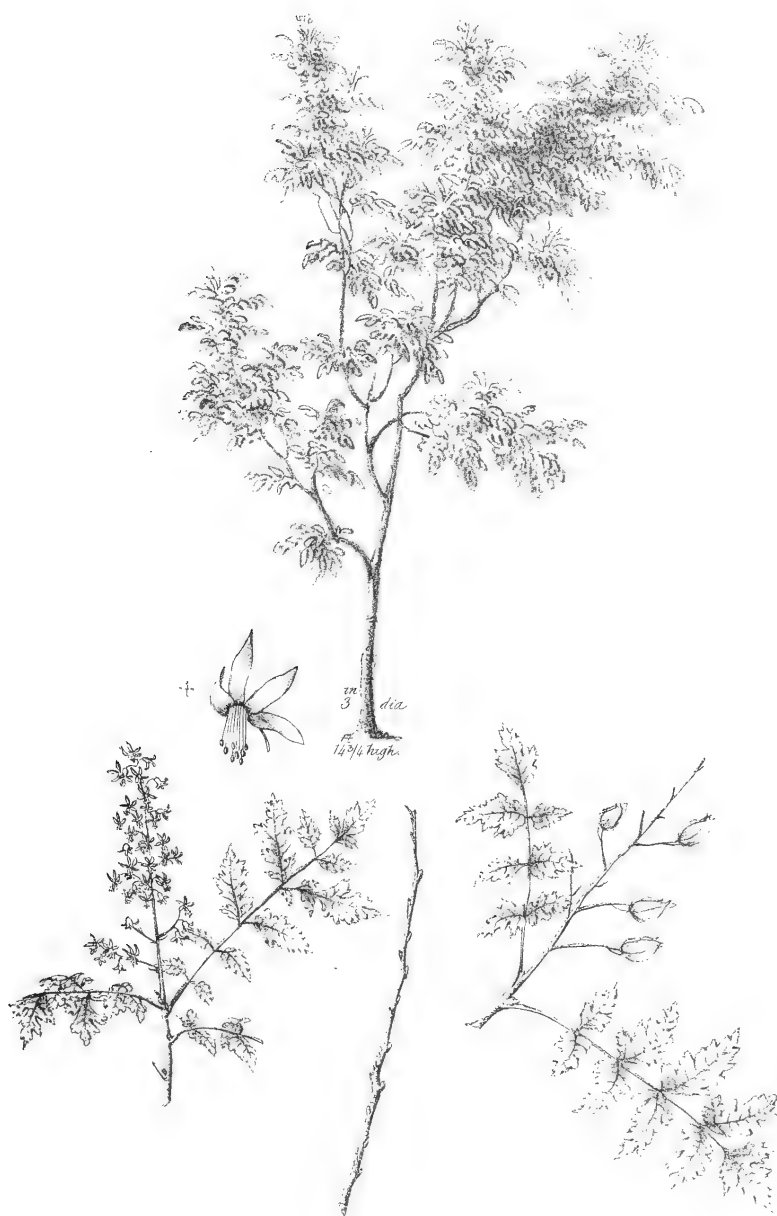
13 ft. high, 3 in. diam.







*Kölreutèria paniculàta.*  
The paniced-flowering Kölreuteria.





*Xanthoxylon fraxineum.*  
The Ash-leaved Tooth-ache Tree.



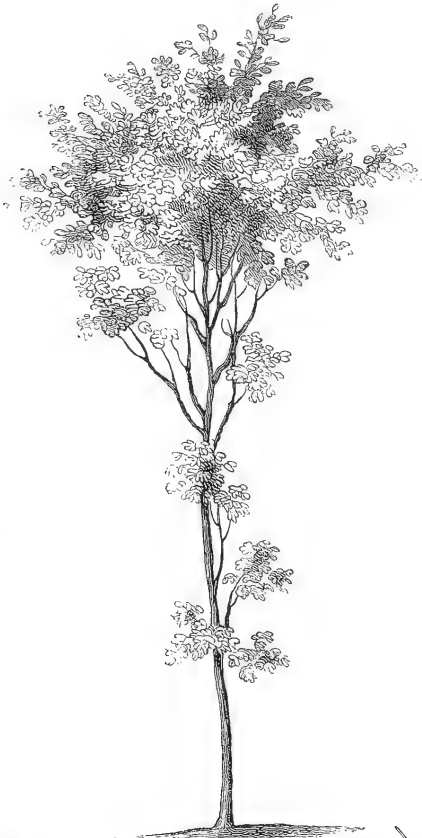
12 ft. high  $2\frac{1}{2}$  in. diam.





*Ptelea trifoliata.*

The three-leafted Shrubby Trefoil.



16½ ft. high, 2½ in. diam.





*Ailántus glandulosa.*  
The glandulous-leaved Ailantus.



32 ft. high, 8 in. diam.





*Ailāntus glandulōsa.*

The glandulous-leaved Ailantus.



Full-grown tree at Syon, 71 ft. high.

[Scale 1 in. to 12 ft.]



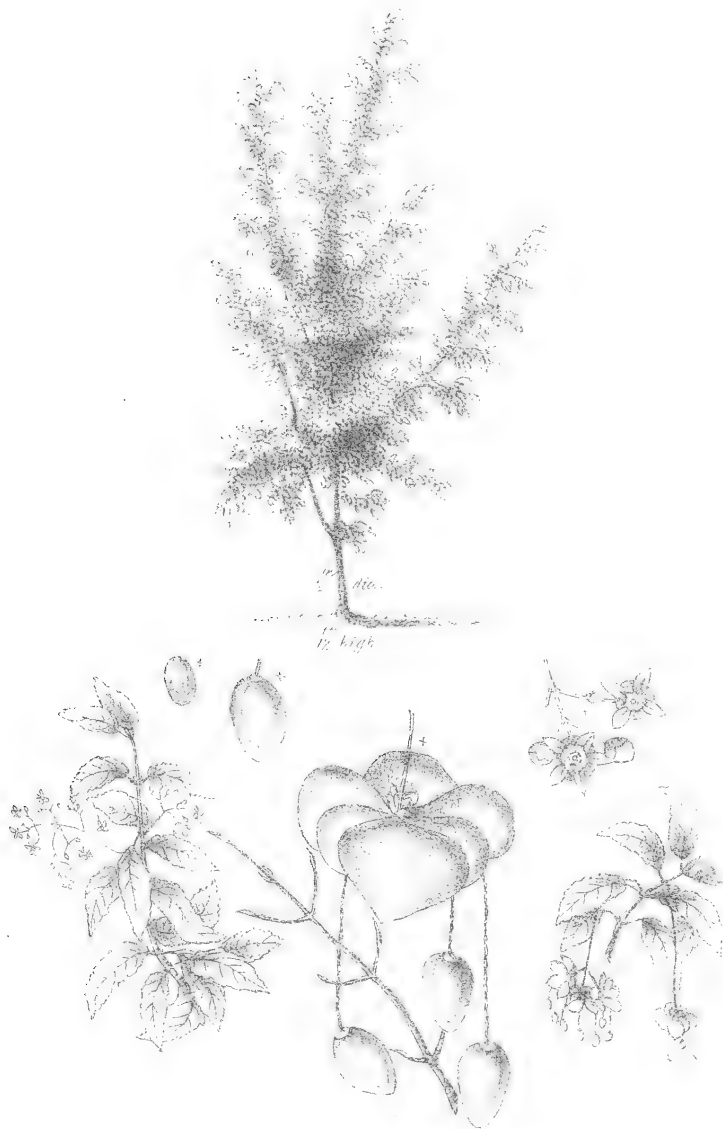
*Eucalyptus europæus.*

The European, or common Spindle tree.





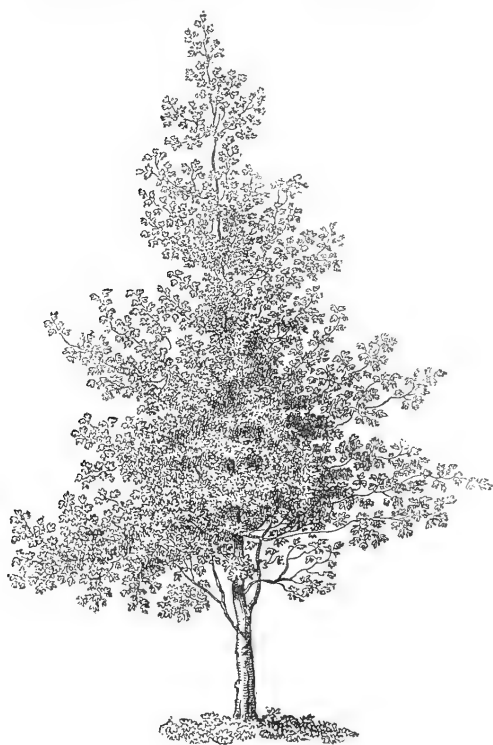
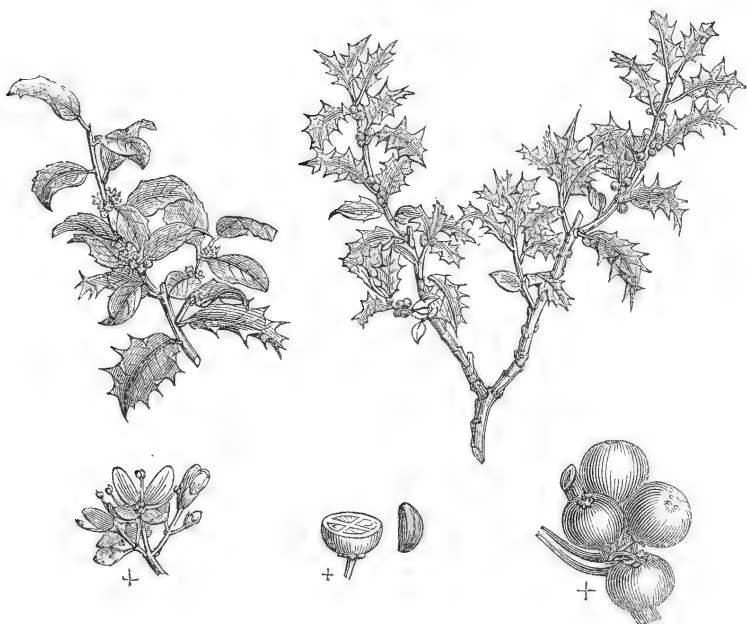
*Eucalyptus latifolia*.  
The broad-leaved Spindle tree.





*Ilex Aquifolium.*

The sharp-leaved, or common, Holly.

14 ft. high,  $3\frac{1}{2}$  in. diam.





*Ilex Aquifolium.*

The sharp-leaved, or common, Holly.



Full-grown tree at Studly, 53 ft. 7 in. high.

[Scale 1 in. to 12 ft.]





*Īlex opàca.*  
The opaque-*leaved* Holly.



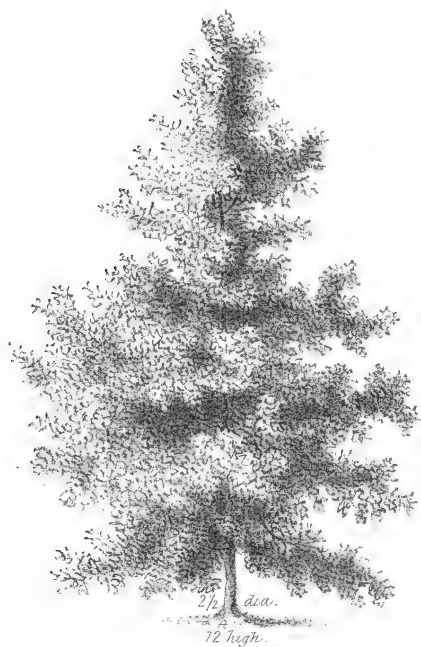
Full-grown tree at Syon, 18 ft. high ; diam. of the trunk, 1 ft. ; and of the branches, 23 ft.  
[Scale 1 in. to 12 ft.]





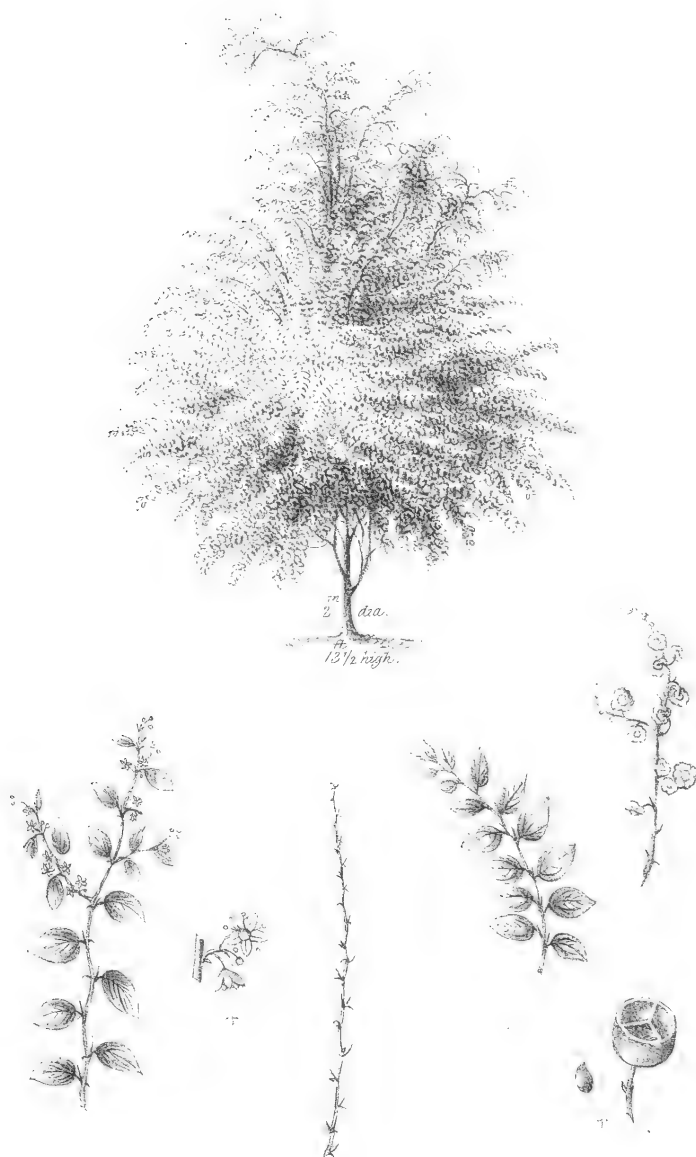
*Ilex opaca.*

The opaque-leaved Holly.





*Eathirus aculeatus.*  
The prickly Christ's Thorn.







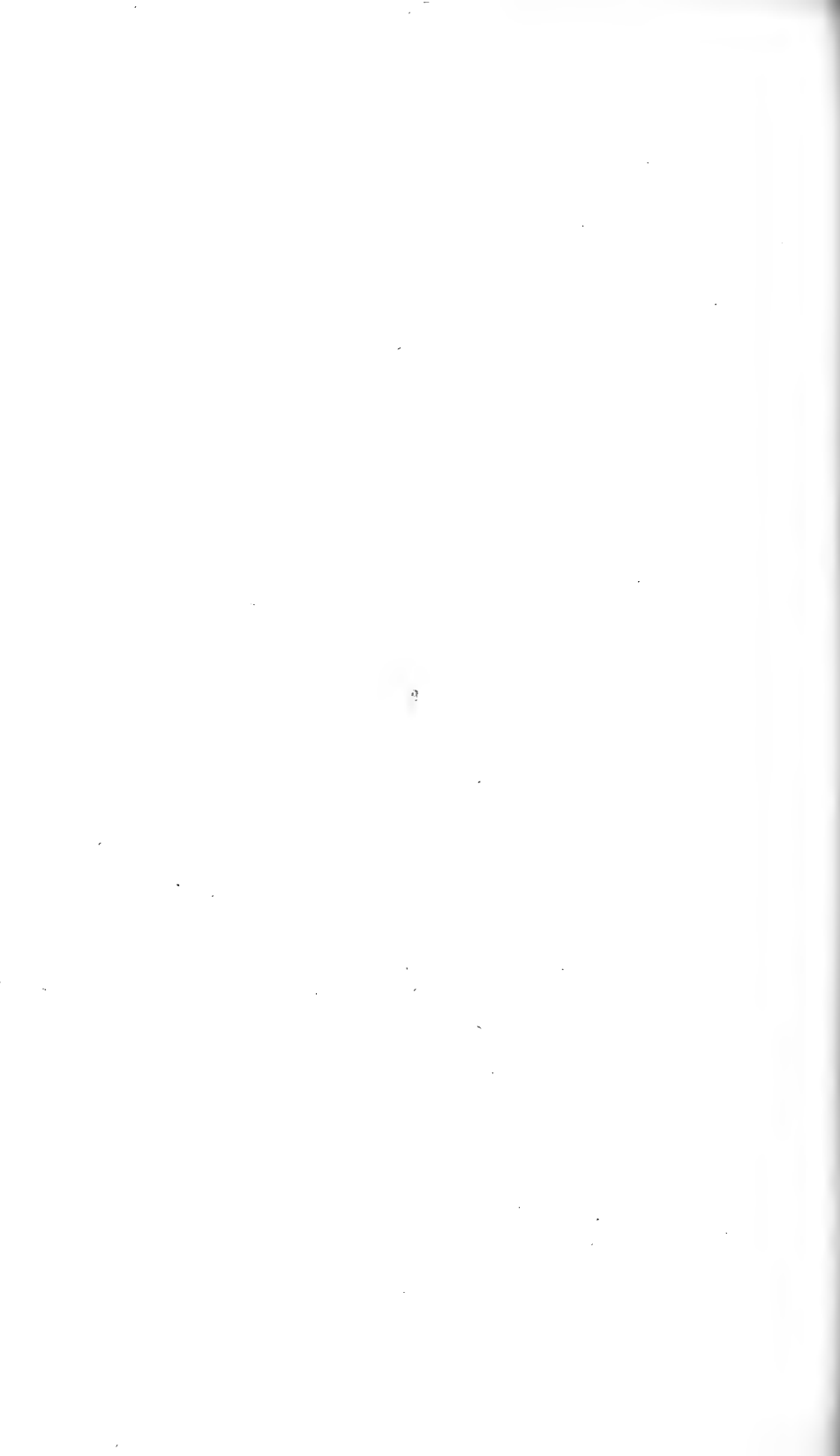
*Paliurus aculeatus.*

The prickly Paliurus, or *Christ's thorn*.



Full-grown tree at Syon; 33 ft high; diam. of the trunk, 1 ft. and of the head, 30 ft.  
[Scale 1 in. to 12 ft.]





*Rhamnus catharticus.*  
The purging Buckthorn.





*Rhámnus álpinus.*  
The Alpine Rhamnus, or Buckthorn.



11 ft. high, 3 in. diam.



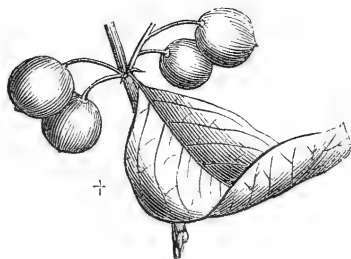


*Rhámnus Frángula.*

The Frangula, or brittle-wooded, Buckthorn.



10 ft high,  $1\frac{1}{2}$  in. diam



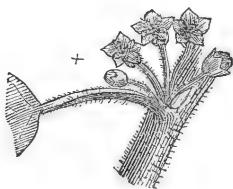




*Rhāmnus latifōlius.*  
The broad-leaved Buck-thorn.



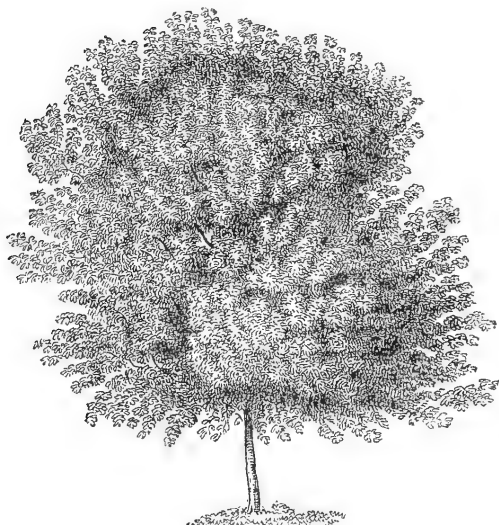
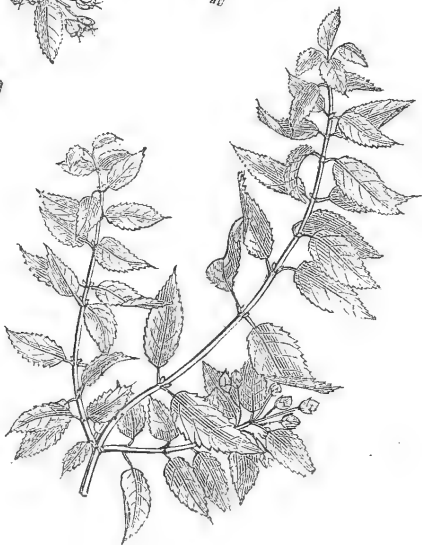
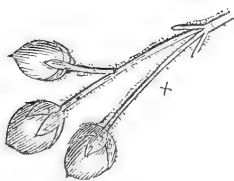
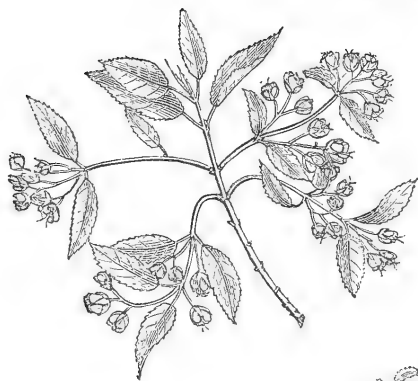
11 ft. high, 3 1/2 in. diam.





*Aristotelia Macqui.*

The Macqui Aristotelia.

10 ft. high,  $1\frac{1}{2}$  in. diam.



*Sophora japonica.*  
The Japanese Sophora.



20 ft. high, 9 in. diam.











*Sophora japonica.*  
The Japan Sophora.



Full-grown tree at Syon, 57 ft. high; diam. of the trunk,  $4\frac{1}{2}$  ft.; and of the head, 84 ft.  
[Scale 1 in. to 12 ft.]

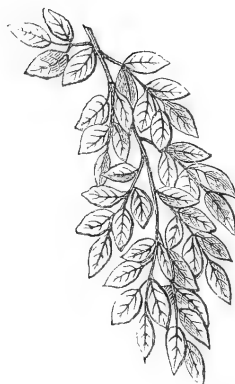




*Sophora japonica pëndula.*  
The drooping-branched Japanese Sophora.

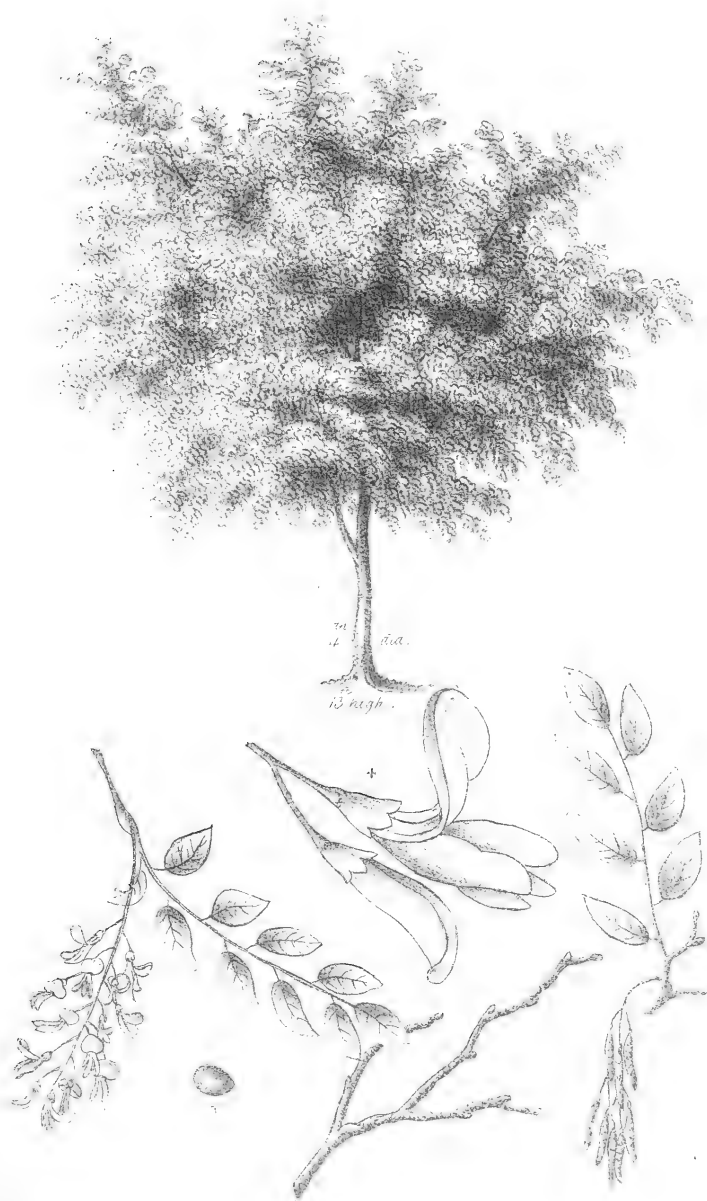


12 ft. high, 3 in. diam.





*Virgilia lutea.*  
The yellow-flowered Virgilia.





*Cytisus Laburnum.*  
The common Laburnum.

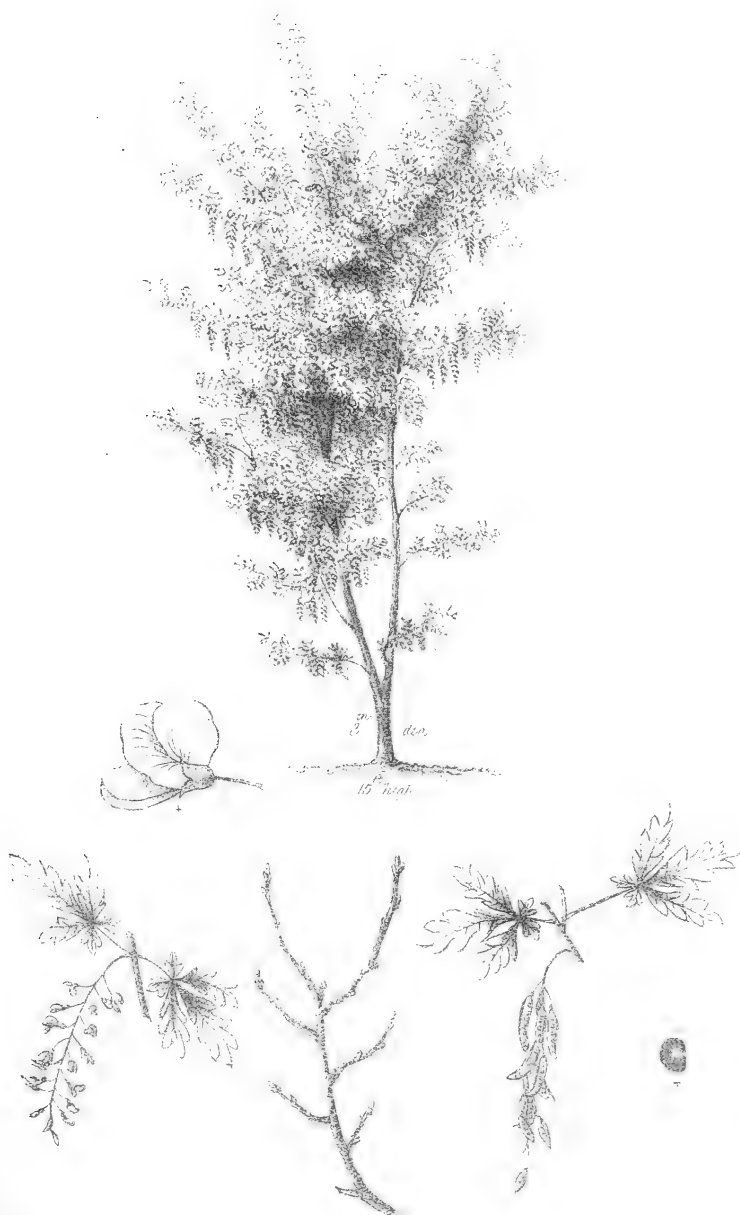


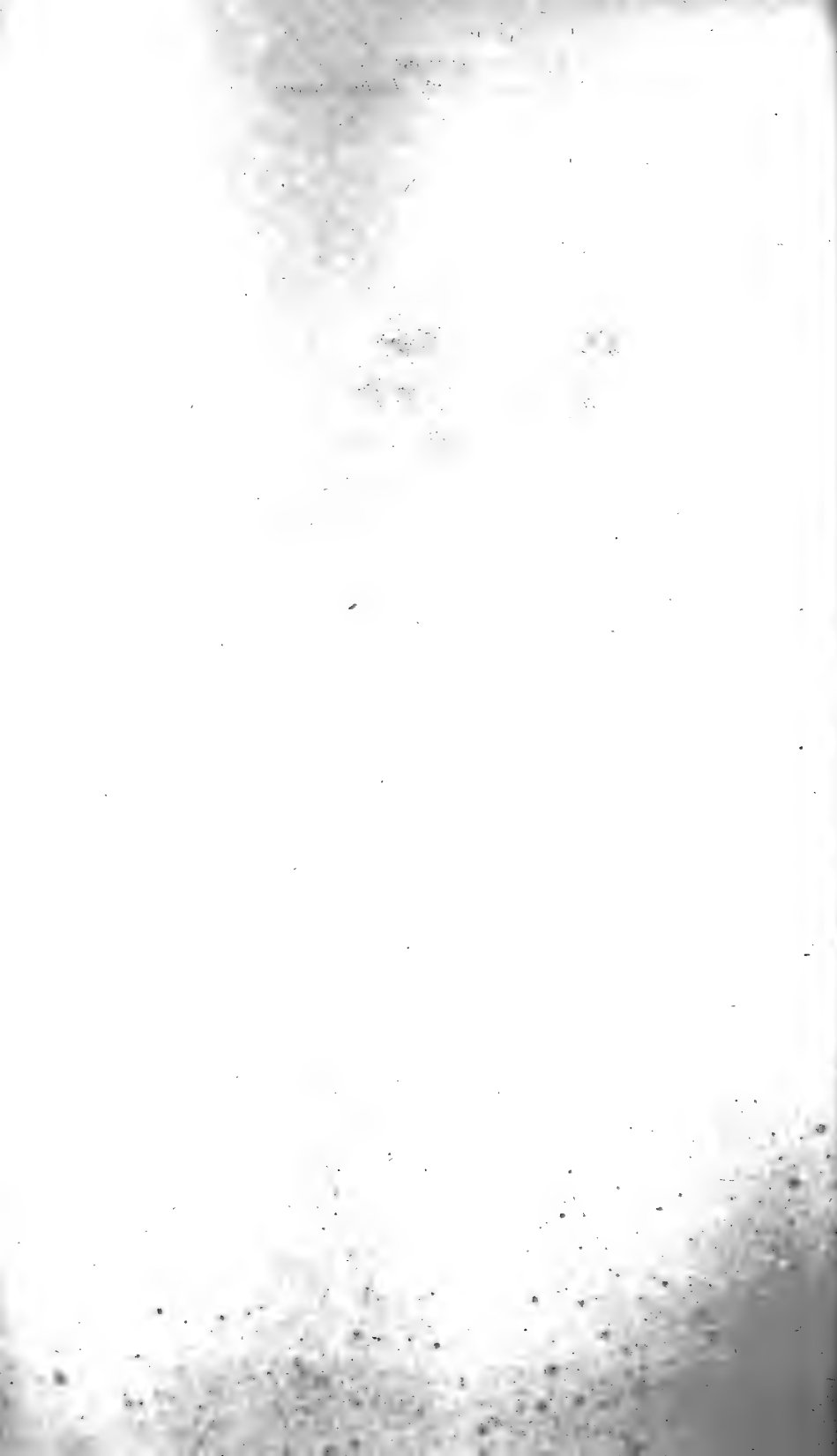
Printed from Zinc by Day & Eagle.





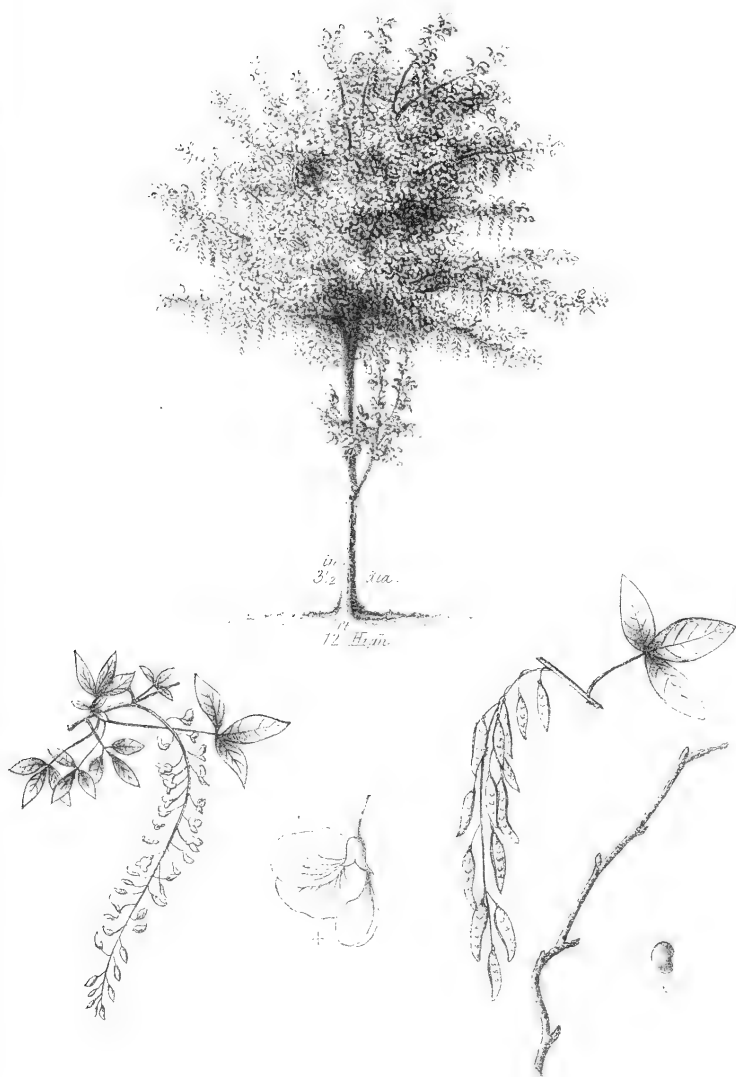
*Cytisus Laburnum incisum.*  
The cut-leaved Laburnum.





*Cytisus alpinus.*

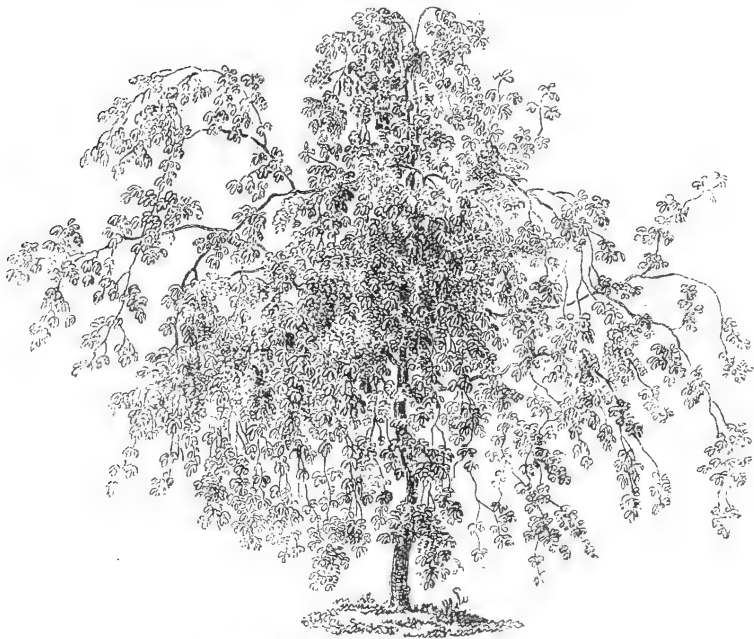
The alpine Cytisus, or Scotch Laburnum.





*Cytisus L. alpinus pëndulum.*

The pendulous Alpine, or Scotch, Laburnum.



12 ft. high, 2½ in. diam.





*Robinia Pseud-Acacia.*  
The common Locust, or Bastard Acacia.











*Robinia Pséud-acácia.*  
The false Acacia Robinia.

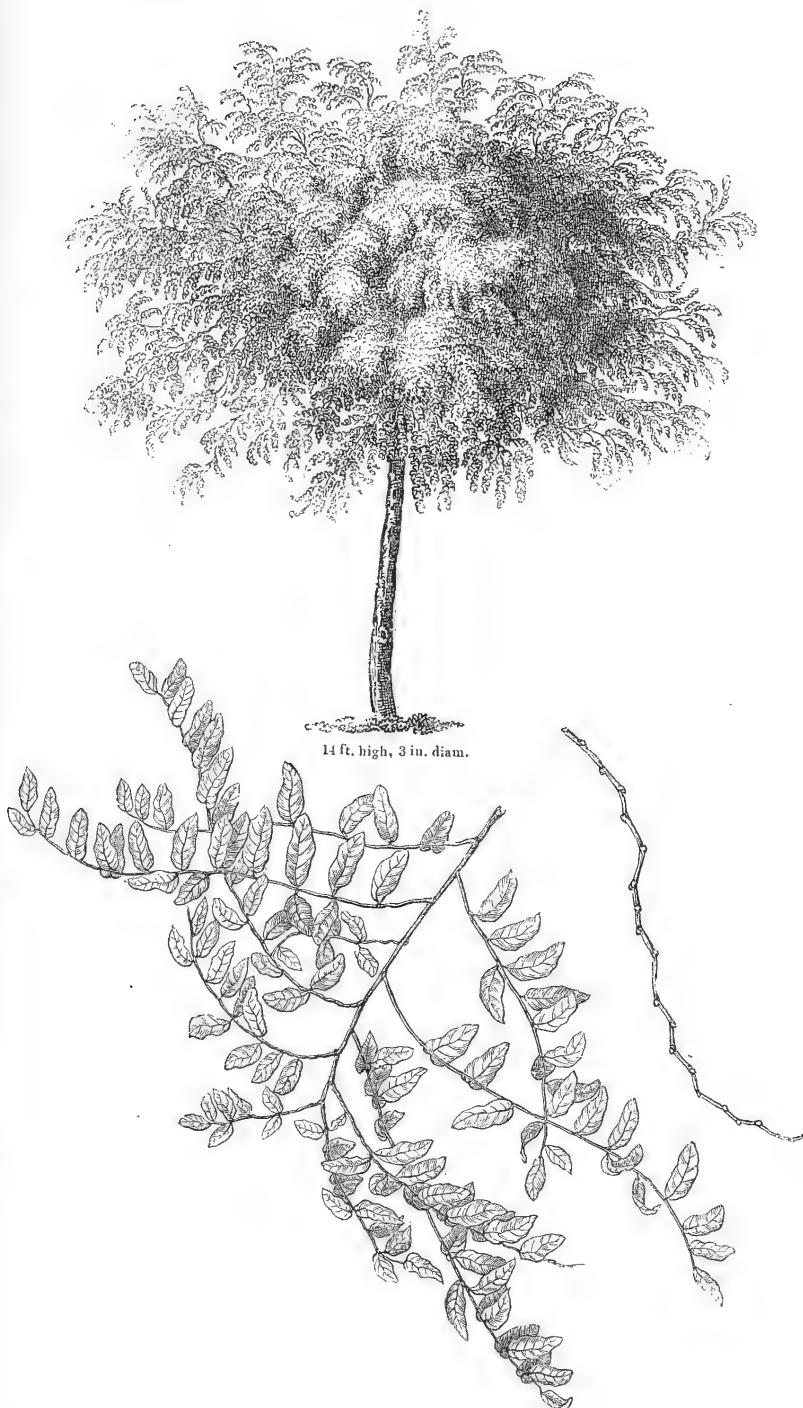


Full-grown tree at Kenwood, 72 ft. high.  
[Scale 1 in. to 12 ft.]



*Robinia Pseud-acacia umbraculifera.*

The Umbrella, or Parasol, False Acacia Robinia.





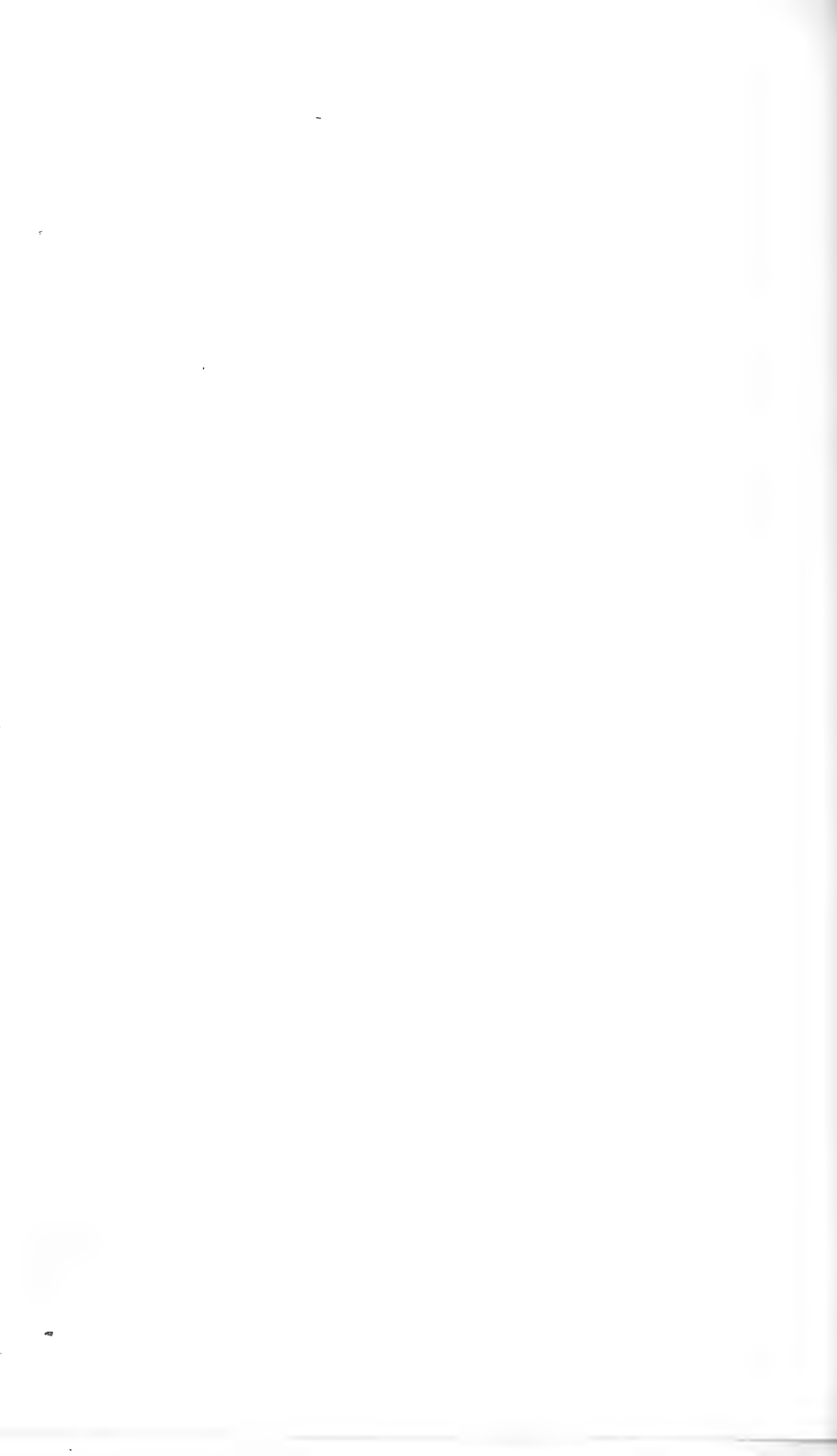
*Robinia Pseud-Acacia tortuosa.*

The twisted-leaved Robinia or False Acacia.



12 ft. high,  $3\frac{1}{2}$  in. diam.







X.L.C.  
*Robinia viscosa.*  
 The viscid-barked Locust.

75



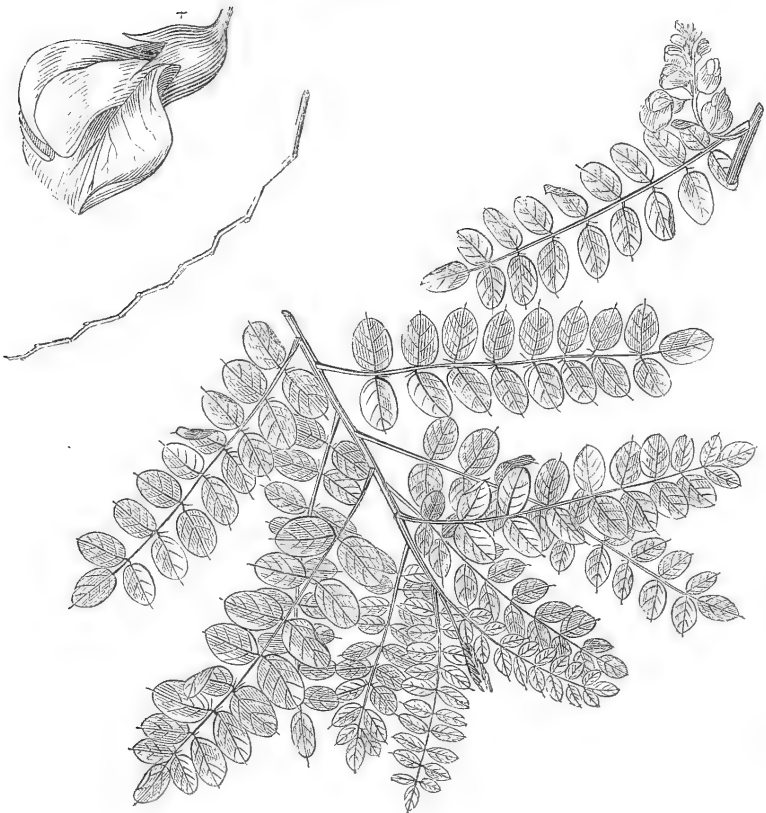


*Robinia (hispida) macrophylla.*

The long-leaved Robinia, or *Rose Acacia*.

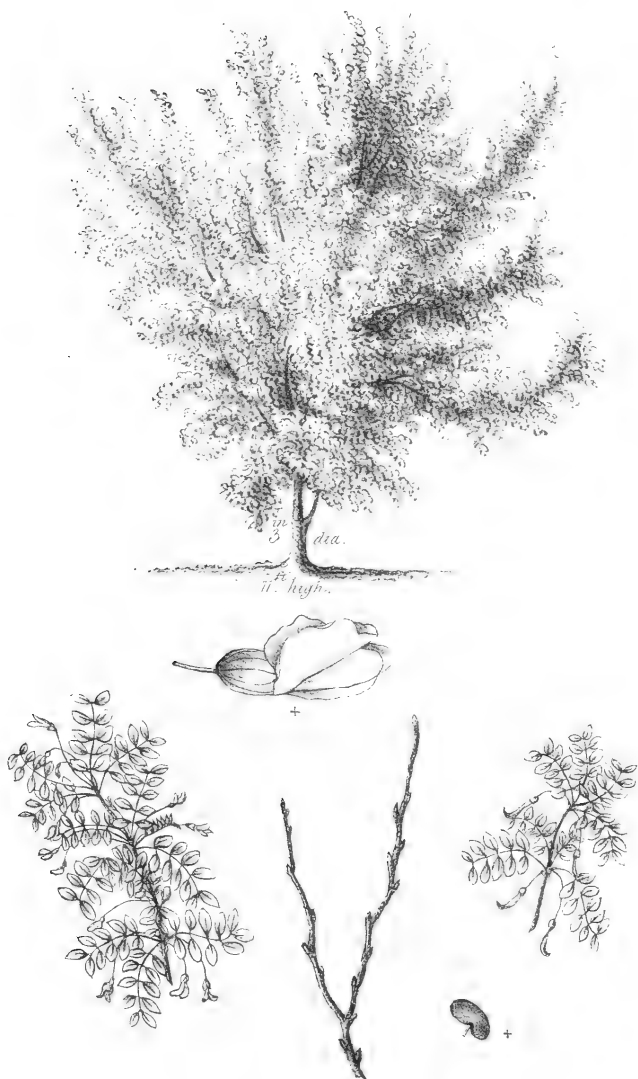


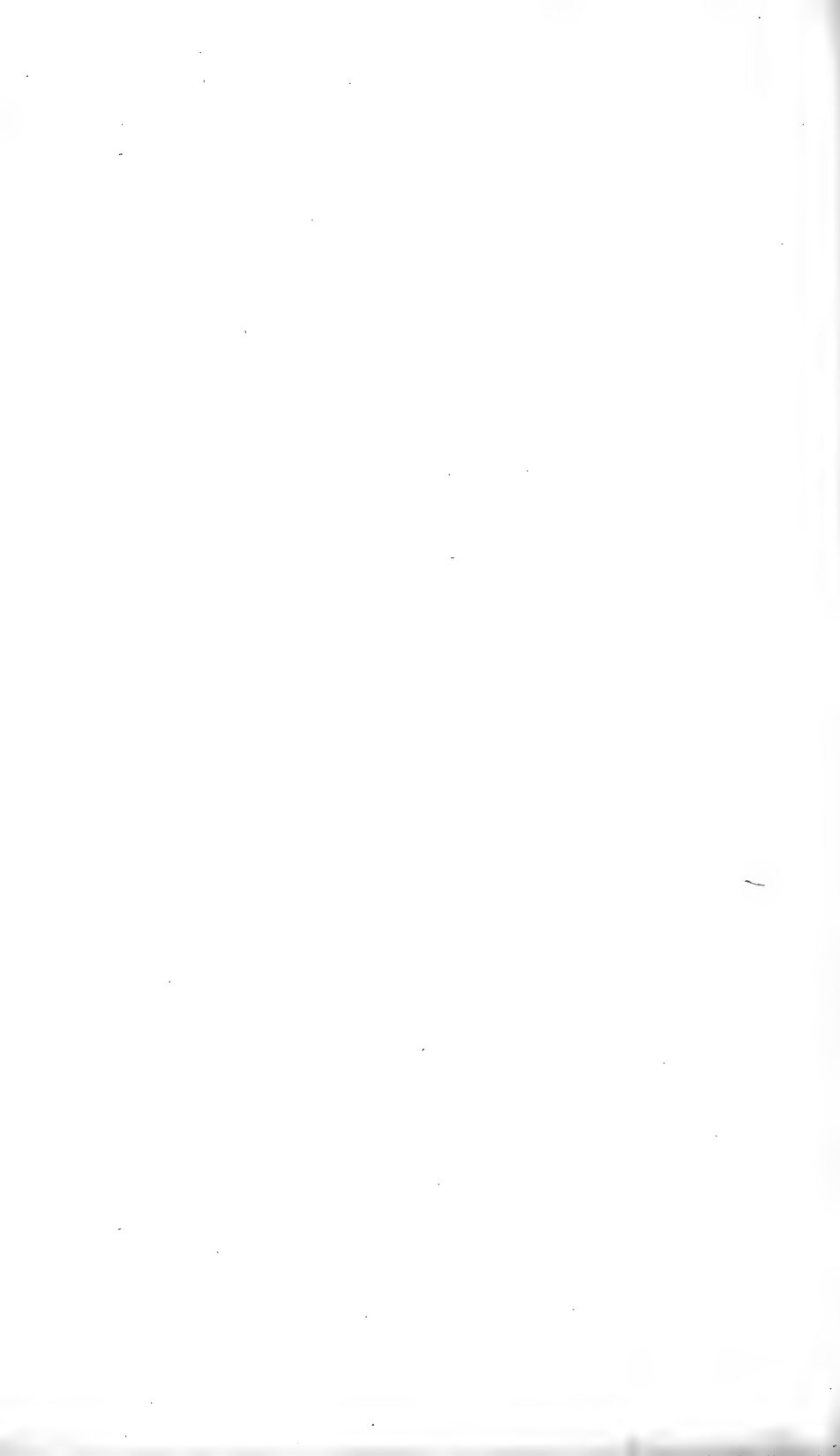
8½ ft. high, 2½ in. diam.

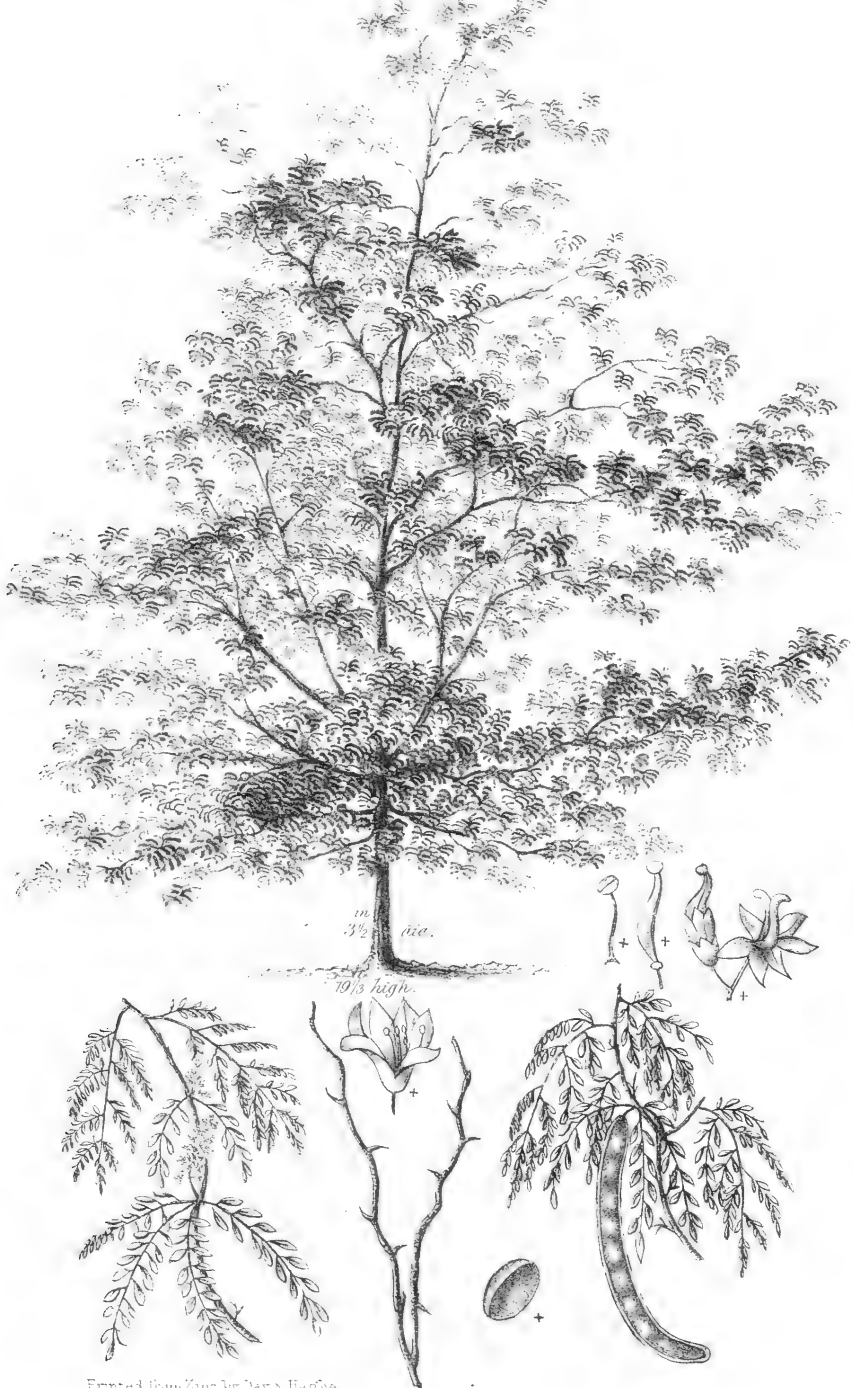




*Caragána arboréscens.*  
The arborescent Siberian Pea tree.





*Gleditsia triacanthos.*The three-spined *Honey Locust*, or *Gleditschia*.

Printed from Zinc by Day &amp; Hagood.





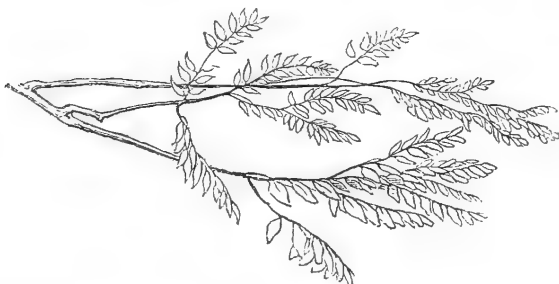
*Gleditschia triacanthos.*

The three-thorned Gleditschia, or *Honey Locust*.



Full-grown tree at Syon, 68 ft. high; diam. of the trunk, 2 ft. 3 in.; and of the head, 40 ft.

[Scale 1 in. to 12 ft.]





*Gleditschia (triacanthos) inermis.*

The unarmed or thornless *Gleditschia*, or *Honey Locust*.



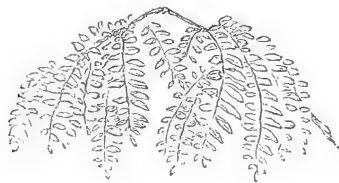


*Gleditschia inermis.*

The unarmed *Gleditschia*, or *Honey Locust Tree*.



Full grown tree at Syon, 72 ft. high; trunk, 2 ft. 4 in. diam.; head, 71 ft. diam.  
[Scale 1 in. to 12 ft.]





*Gleditschia hórrida.*

The horrid-spined *Gleditschia*, or *Honey Locust*.



Full-sized tree from Syon; 54 ft. high; trunk, 3 ft. diam.; diam. of the head, 54 ft.







*Gleditschia japonica.*  
The Japan Gleditschia.



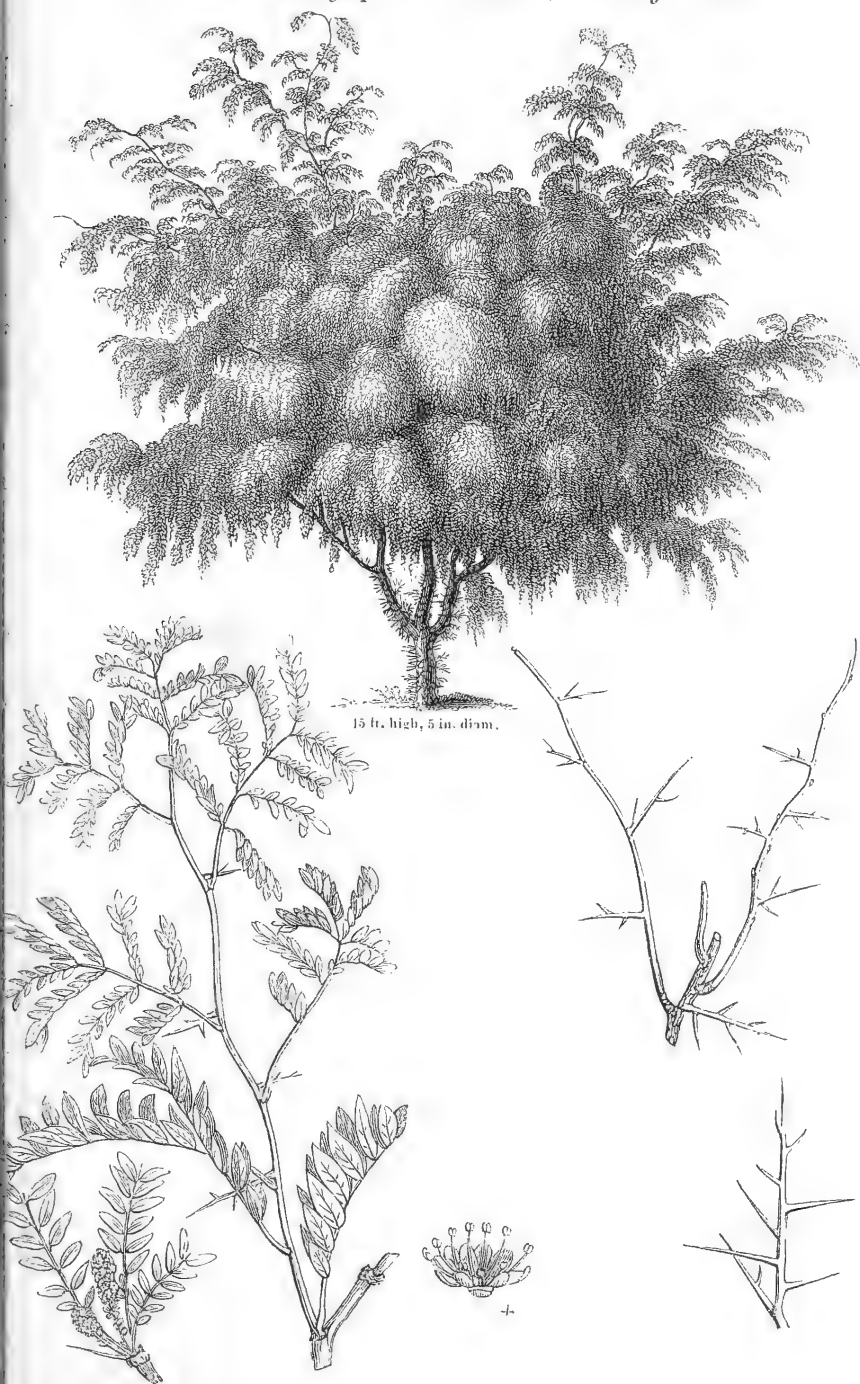
10 ft. high,  $2\frac{1}{2}$  in. di m.





*Gleditschia hórrida nàna.*

The dwarf horridly-spined *Gleditschia*, or *Honey Locust*.





*Gleditschia hórrida purpúrea.*

The purple horridly-spined *Gleditschia*, or *Honey Locust*.



12 ft. high, 2 in. diam.





*Gleditschia macracantha.*

The long-spined *Gleditschia*, or *Honey Locust*.



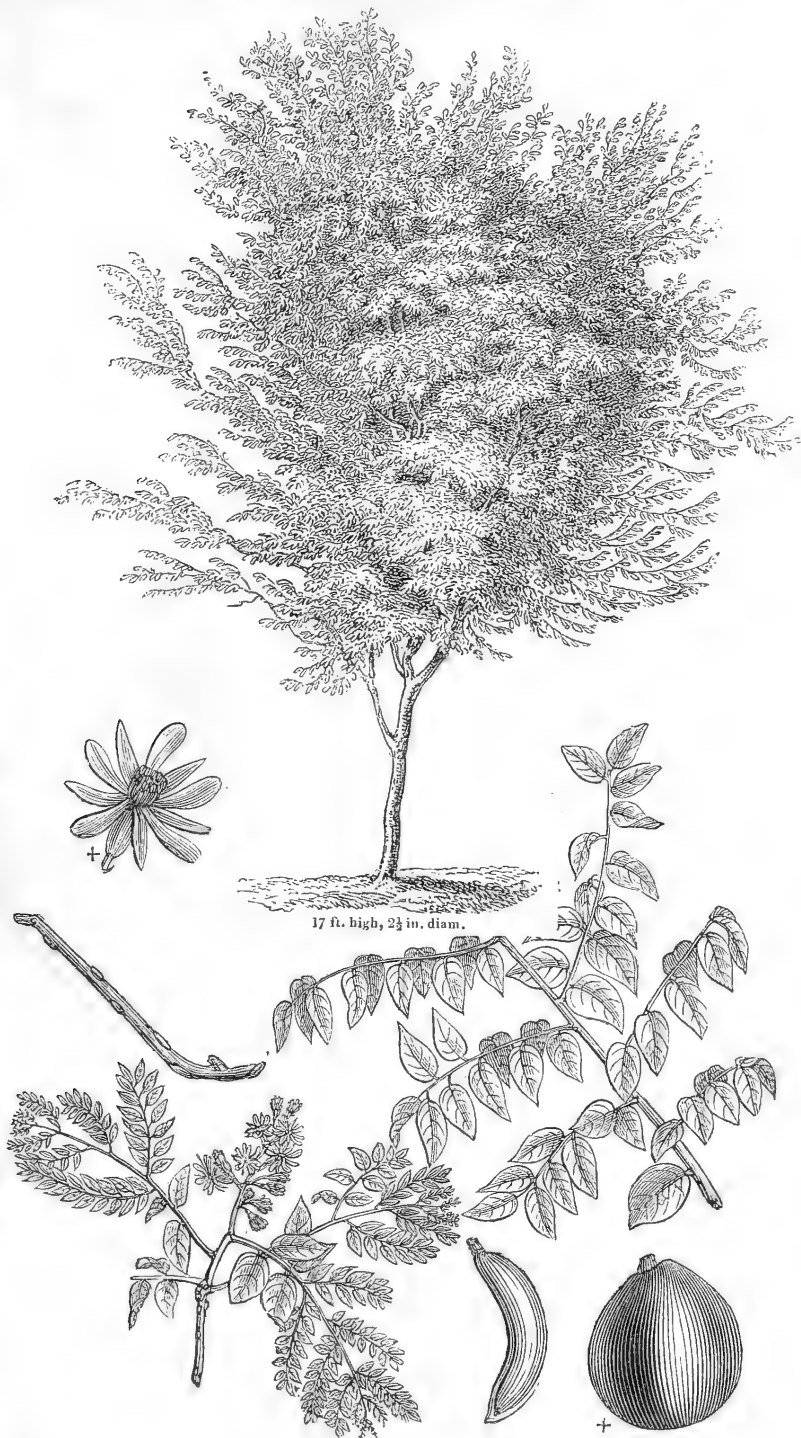
Full-grown tree at Syon, 57 ft. high; diam. of the trunk, 3 ft.; and of the head, 63 ft.

[Scale 1 in. to 12 ft.]





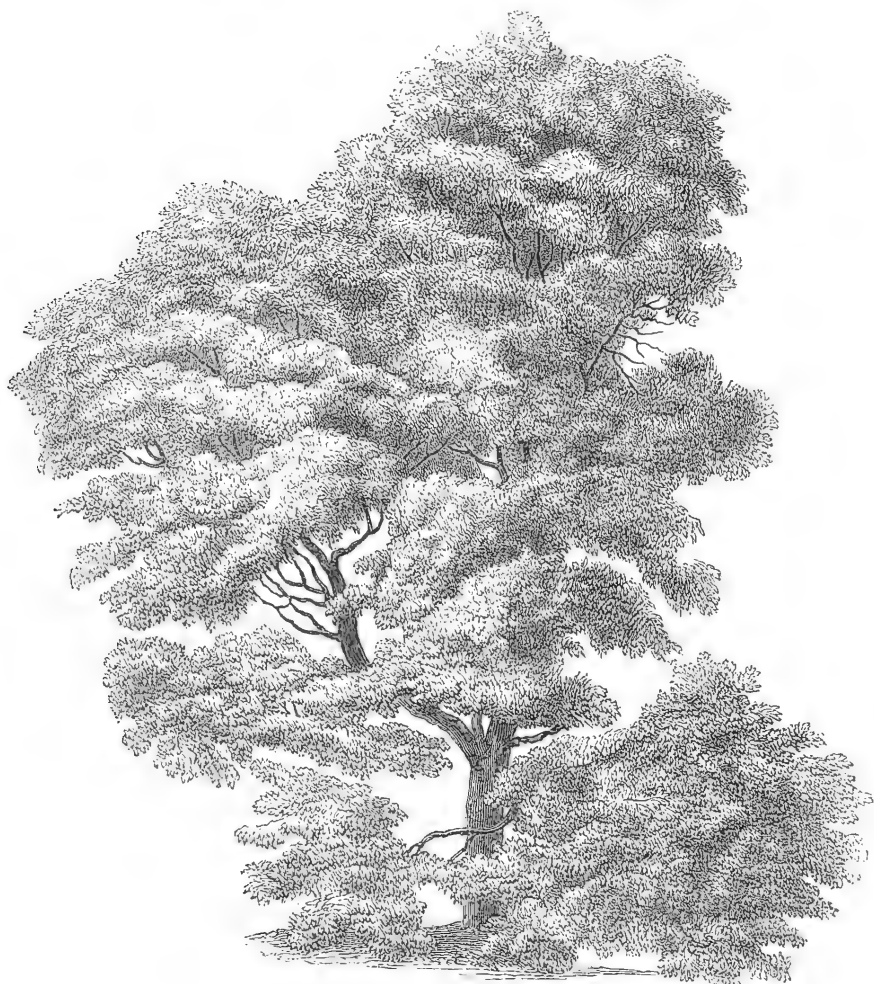


*Gymnocladus canadensis.*The Canadian Gymnocladus, or *Kentucky Coffee tree*.



*Gymnócladus canadensis.*

The Canadian Gymnocladus, or *Kentucky Coffee tree*.



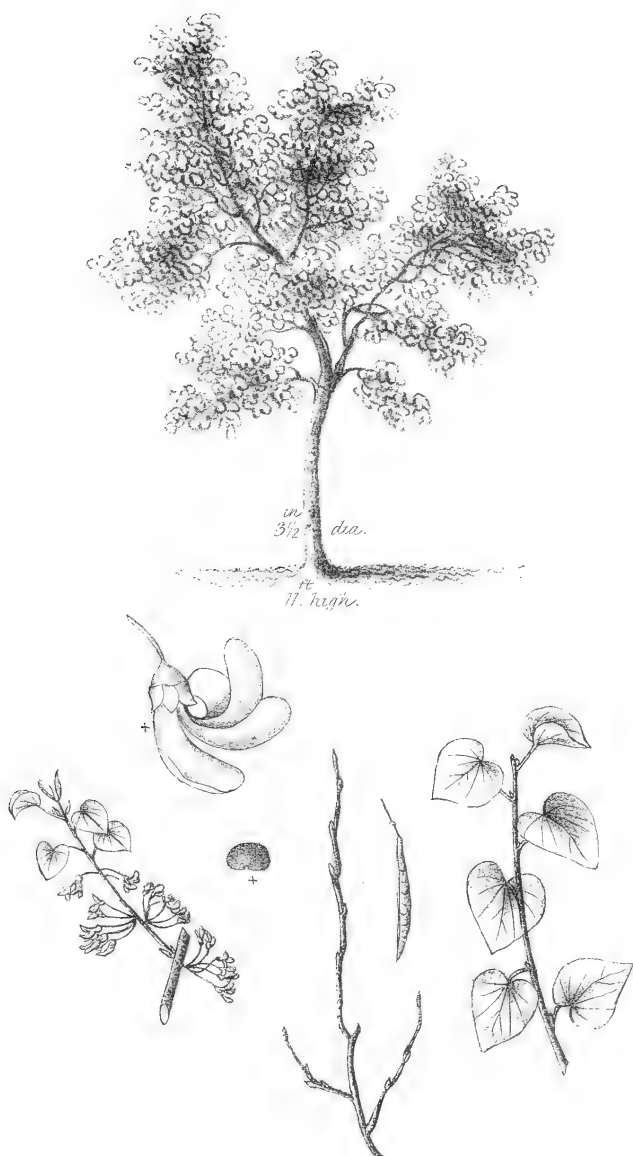
Full-grown tree at Syon; 57 ft. high; diam. of the trunk, 3 ft.; and of the head, 47 ft.

[Scale 1 in. to 12 ft.]





XXV. A.  
*Cercis Siliquastrum.*  
 The common Judas tree.





*Cercis Siliquastrum.*

The common Judas tree.



Full grown tree at Syon, 24 ft. high ; diam. of the trunk, 2 ft. ; and of the head, 32 ft.

[Scale 1 in. to 12 ft.]





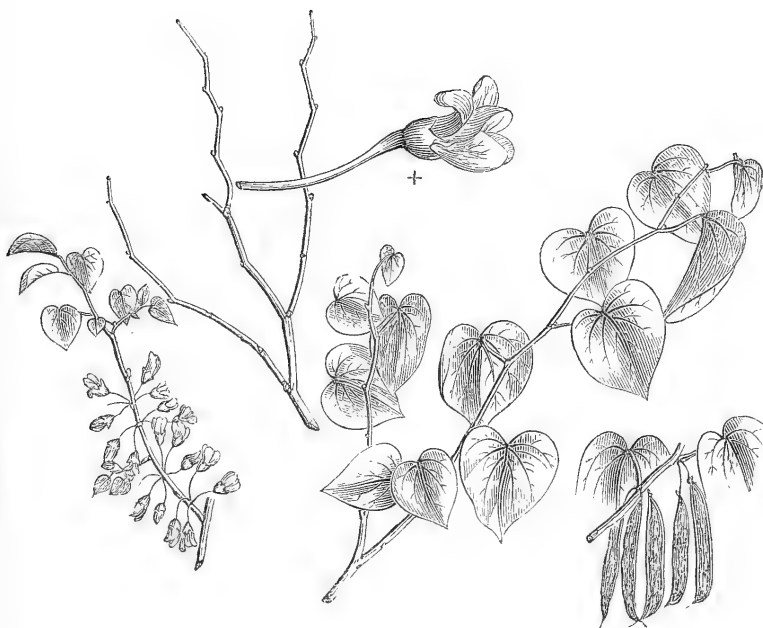


*Cercis canadensis.*

## The Canadian Judas tree.



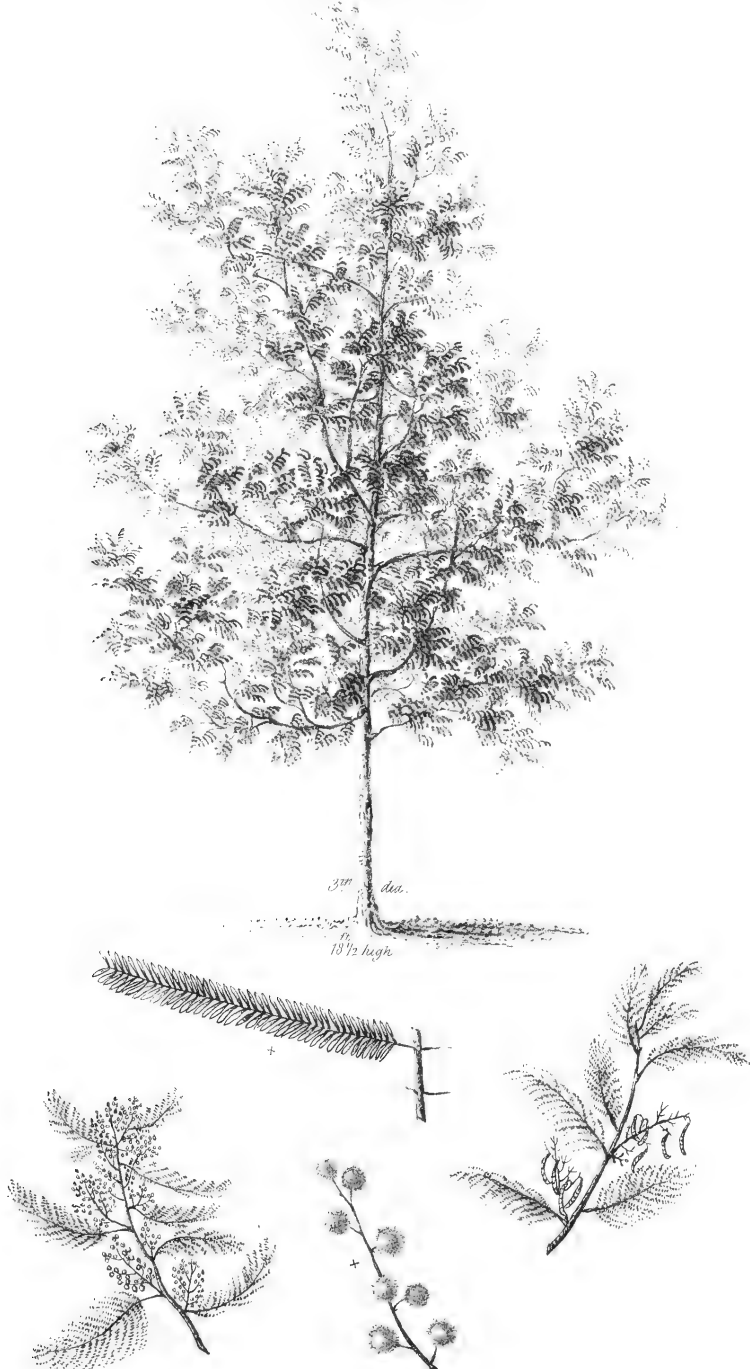
10 ft. high, 2 in. diam.





XXI. A.  
*Acacia dealbata*.  
 The whitened Acacia.

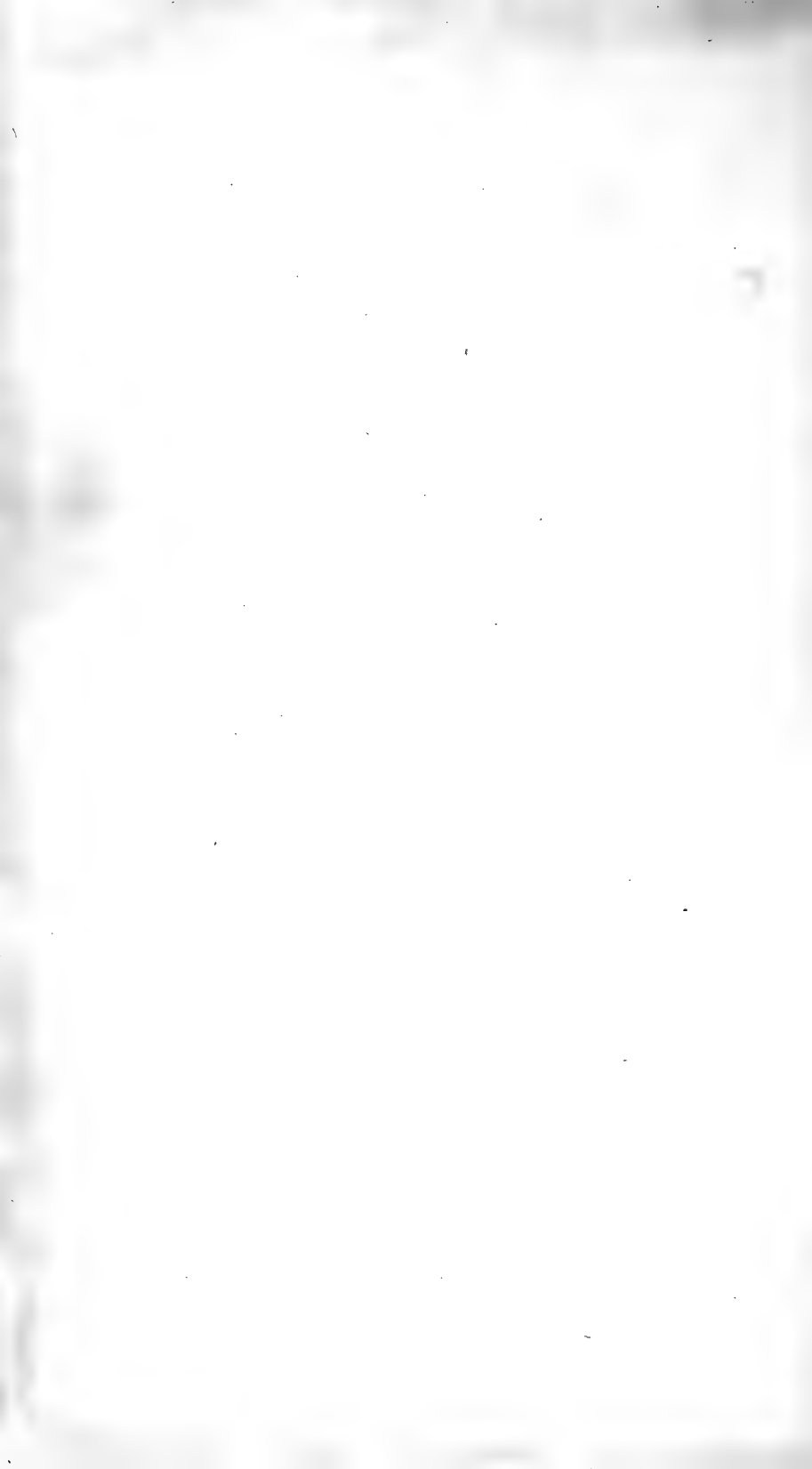
71.



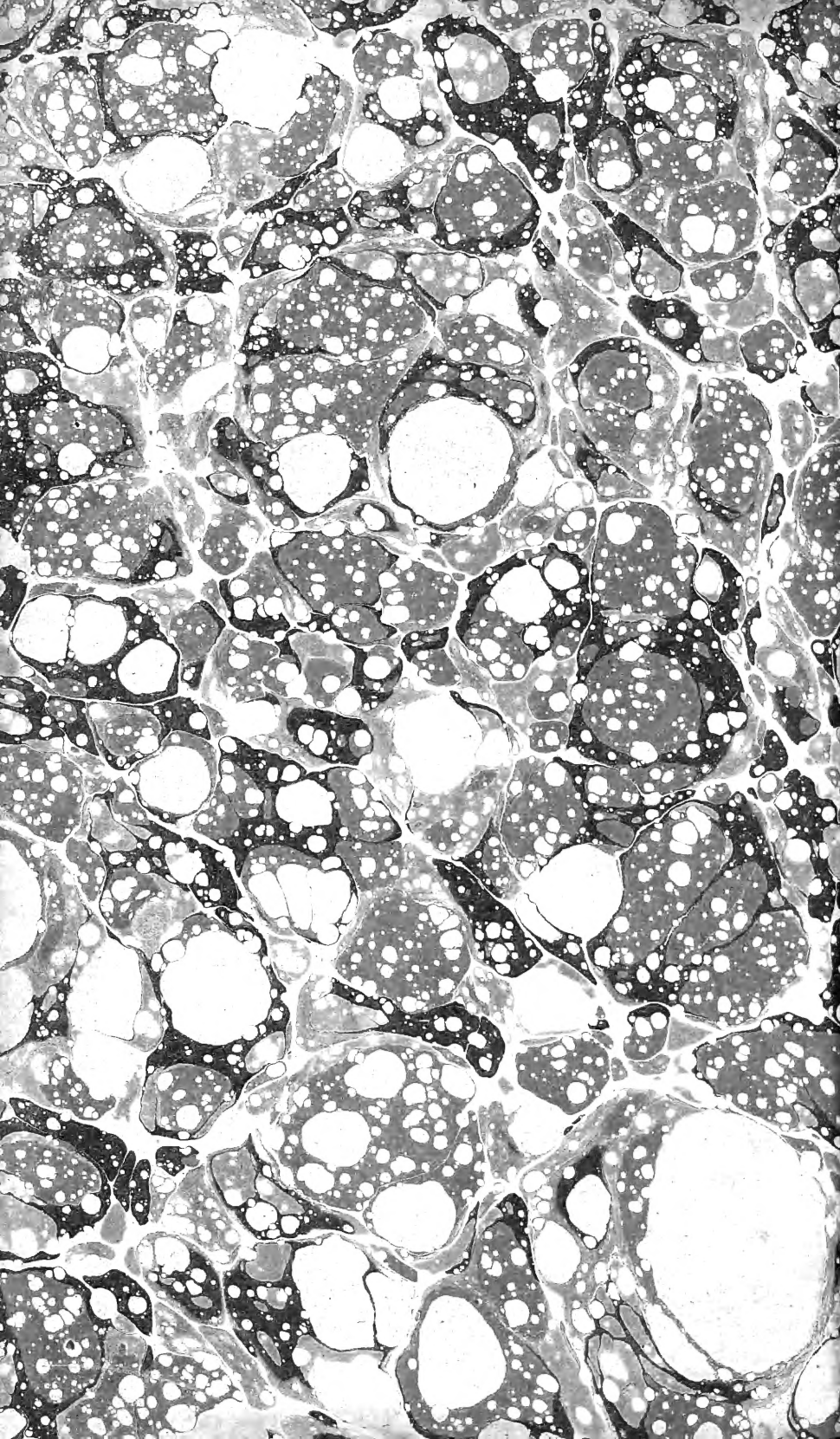
Engraved from Zinck by Day & Mayhe.



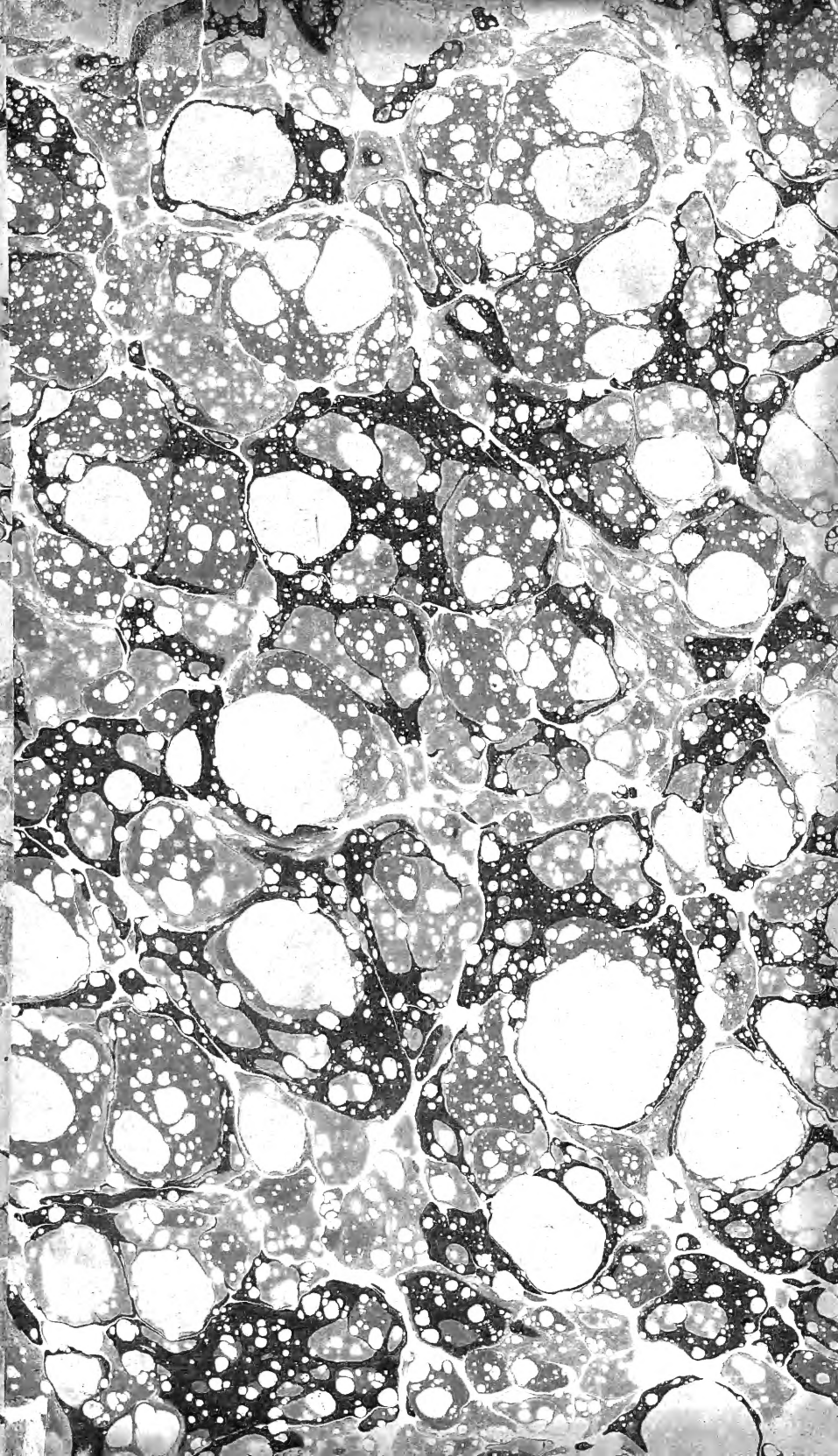












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